



2021

PRODUCT CATALOGUE

 Kalekim



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About Kale Group

With industrial heritage and entrepreneurship, Kale Group is a reputable group of companies that are leaders in their fields who respect people and the environment, and add sustainable value to the society.

Founded by Dr. Hacı İbrahim Bodur in 1957 as Çanakkale Seramik Fabrikaları A.Ş., the Kale Group's industrial journey began with making ceramics and has since then expanded into construction chemicals, logistics, and the defence and aviation industry. Starting from Çanakkale (the Dardanelles), Kale Group spans almost the whole Turkey with 20 companies, each a leader in its field, and more than 5,000 employees. In construction materials, Kale Group is the 4th largest producer in Europe and 15th in the world, and is among the top five producers of construction chemicals in Europe. Possessing a significant share of both the national and international markets, the construction group products are sold at more than 400 points in 100 countries.

Kale Group moved into the defence and aerospace industry in 1987 and has five companies operating in this field. The leading supplier to the world's foremost defence and aviation companies such as Lockheed Martin,

Boeing and Airbus, Kale Group is at the same time a main stakeholder in many of Turkey's defence and aviation projects.

With its industrial heritage and entrepreneurship, Kale Group puts great emphasize on economic and social activities with the aim of continuously adding value to community.

Founded in 1991 with the goal of making permanent contributions to society, Dr. Hacı İbrahim Bodur Kaleseramik Education, Health, and Social Assistance Foundation (KSV) is active in the fields of employment and education. At the same time, Kale Group, which has a mission to support arts and artists, especially on ceramics, with its design, technology and people-oriented vision, promotes enthusiastic people and communities by taking part in creative and inspiring projects that do original work.



KSV (Kaleseramik Foundation)

We contribute to the goals of sustainable development within our social responsibility activities in the fields of education and employment.



A philosophy that focuses on people and the development of society

In addition to economic development, Kale Group also treats environmental and social issues with a sense of social responsibility, running many projects in different fields and supporting those that generate social benefit.

Ibrahim Bodur Social Entrepreneurship Award

Considering the scale of the social issues that we are up against today, the need for new business models to ensure inclusive and sustainable development, and for alternative solutions that focus on social benefit is greater than ever. Through the Ibrahim Bodur Social Entrepreneurship Award,

which started in 2017, Kale Group and Ashoka Turkey support social entrepreneurs who act for the better future and who say "add value to life." Applicants for the Ibrahim Bodur Social Entrepreneurship Award are evaluated in terms of existing social impact, potential impact, financial sustainability, competence, and reliability. Winning candidates are entitled to the financial support of Kale Group.

For more details visit:

<https://www.ibrahimbodurodulleri.com/>

Vocational Courses

Since 1991, the KSV has been running Vocational Training and Development courses in "Ceramic Floor and Wall Tiling" throughout Turkey to provide skilled workers to construction sector and give vocational training to unemployed people.

Prompted by the lack of qualified workers in the construction industry, Kale Group carries out all its vocational training activities within the scope of the cooperation protocol signed with the Turkish Ministry of Education's Vocational Training Directorate in 1991. Participants are given an official certificate approved by the Ministry of Education at the end of the course.

To date, 4,571 young participants have found jobs through the 240 vocational courses that have taken place throughout Turkey. At the same time, 4,313 qualified specialists have been raised for the construction industry in 213 Development and Adaptation Programs.



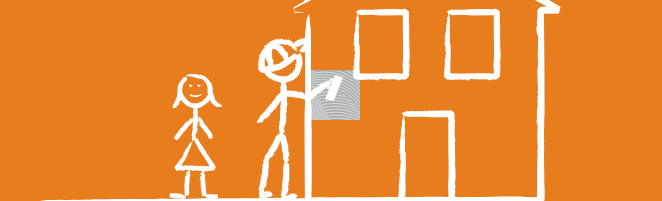
Scholarships

The Scholarship Program that has been in place for years under the KSV's roof has provided 850 successful and needy students with scholarships to date. The support given to students, primarily university students, is not limited to financial support; scholarship winners also receive mentoring under the wing of Kale Group executives. Kale Group also gives priority to scholarship students for work and internship. The KSV regularly organizes Idea and Project camps through which it conducts programs that build on scholarship winners' 21st century skills while bringing together scholarship winners and Kale Group executives. As part of the scholarship program, once the KSV scholarship winners have started their careers they then help the Foundation by providing support to new scholarship winners.



Transformation in Schools is my First Duty

In 2009 the KSV launched a social responsibility project called "Transformation in Schools is my First Duty". Having found employment for thousands of unemployed young people through its Vocational Training courses, as one of its main fields of activity, the KSV has also arranged internships in village schools all over Anatolia for the "Ceramic Floor and Wall Tiling" vocational courses that it runs nationwide with the "My First Duty is Change in Schools" project. In this way, not only did it help scholarship winners get their first jobs within a social responsibility program, it also provided the village primary schools in their regions a hygienic environment.



Social Responsibility

We are safeguarding the future with our social benefit projects.



Ibrahim Bodur Social Entrepreneurship Award

The Ibrahim Bodur Social Entrepreneurship Award was launched in 2017 to honour the memory and values of Kale Group's founder Ibrahim Bodur. Aiming not only at production and growth but also at development by sharing the values it produces with society, the Kale Group's award program, which it launched jointly with Ashoka Türkiye, the world's first and largest social entrepreneurship platform, makes it a principle to support social entrepreneurs who feel a sense of responsibility toward the world they live in and the environment and who demonstrate the courage to take action to improve lives to that end, and to spread the positive energy they create.

Considering the scale of the social issues we are up against today, the need for new business models to ensure inclusive and sustainable development, and for alternative solutions that focus on social benefit is greater than ever. With the Ibrahim Bodur Social Entrepreneurship Award, Kale Group and Ashoka Türkiye support social entrepreneurs who take action for a better future and who say "add value to life." Through its award program, Kale Group aims to safeguard the future.

The Ibrahim Bodur Social Entrepreneurship Award evaluates social entrepreneurs who have not just a creative idea but also a sustainable and successful pilot program in three different categories. The criteria for evaluating applicants are existing social impact, potential impact, financial sustainability, competency, and reliability. Winning candidates are entitled to receive the Kale Group's financial support. With its Entrepreneurship Award, Kale Group and Ashoka Türkiye provide support to entrepreneurs who take action for a better future and who say "add value to life." Applicants for the Ibrahim Bodur Social Entrepreneurship Award are evaluated in terms of existing social impact, potential impact, financial sustainability, competence, and reliability. Winning candidates are entitled to receive the Kale Group's financial support.

For more details visit:
<https://www.ibrahimbodurodulleri.com/>



Kale Design and Art Centre

The foundations for the Kale Design and Art Center (KTSM) project were laid with the help of the Dr. Hacı Ibrahim Bodur Foundation for Education, Health, and Social Assistance with financial support provided by the Istanbul Development Agency (ISTKA) in 2018. The KTSM was brought to life by converting Kale Group's first head office in Karaköy and aims to be a centre where actors in the field can meet up and be productive through workshops, lectures, exhibitions, and other events held under its roof, and to contribute to the field of attraction created by the city's creative industries. By virtue of both its location and the experience it brings, the KTSM aims to make Istanbul a brand-name city in the creative sectors

and to help strengthen the existing infrastructure in this field.

Five stories tall and covering roughly 500 square meters, the KTSM is a place where students in education and newly graduated young professionals can learn from one another and get creative together. Designed to have a different field of production and learning on each floor, the centre offers design and art workshops in addition to lectures and presentations.

For more details visit:
<http://www.kaletasarimsanatmerkezi.org/>

Çanakkale On My Mind

Çanakkale On My Mind was brought to life in 2017 spearheaded by the Novusene Smart Cities Institute and in collaboration with Kale Group and the Turkish Informatics Foundation with the goal of increasing the national and global competitive power of Çanakkale, the birthplace of Kale Group.

With this project, which it spearheaded on the 60th anniversary of its founding, Kale Group aims to help transform Çanakkale, which lies along the Istanbul-Izmir axis in the heart of what is known as the golden circle, into a smart city. Kale Group moved to add value to its birthplace and to help Çanakkale grow according to smart city principles.

One of the contributions made so far by the Çanakkale On My Mind Project has seen Çanakkale benefit from the "Town Twinning Action" project between Turkey and the European Union through the "Partnership for Future of Smart Cities" together with the city of Tarragona in Spain. The Çanakkale On My Mind project won The Best Social Responsibility Project at the Sign of the Cities Award in 2019, where Turkey's most prestigious real estate projects were evaluated.

For more details visit:
<http://www.aklimfikrimcanakkale.org/>





The Füreya Koral Retrospective Exhibition

Kale Group recently created a most extensive exhibition with a selection of pieces by Füreya Koral, one of Turkey's first ceramic artists, as part of the events marking its 60th anniversary.

The goal of this exhibition, prepared on the 20th anniversary of Füreya's loss with the idea of "to understand as much as to commemorate" and "to explain," and curated by Károly Aliotti, Nilüfer Şaşmaz, and Farah Aksoy, was to introduce new generations to Füreya, who never gave up in the face of adversity, to inspire the many new Füreyas who will emerge from these lands, and to introduce ceramics and design to the broader masses.

Elif Uras - Kaynak

Pioneered by Galerists with Kale Group's support, "Kaynak" (The Source) opened in 2018 and is the first monograph and site-specific installation by the artist Elif Uras, inspired by cultural elements drawn from different regions, and documenting the artist's productivity in recent years. Kaynak is the first work by the artist to be seen in Istanbul since her last personal exhibition Hayal Meyal, staged by Galerist in 2016. Kaynak was also the reason for the transformation of a historic site next the Galata Greek School in Istanbul that had been waiting to make its public debut for a long time.



Land of Dreams: "Troy"

Arranged with contributions by Kale Group and the collaboration of the Association for the Protection and Development of Ethnic Popular Artists (EPOS 7) and the new generation artist platform BASE, the Land of Dreams: Troy exhibition opened in 2018 when the Ministry of Culture and Tourism announced the "Year of Troy" to mark the 20th anniversary of Troy being added to the UNESCO list of World Cultural Heritage Sites.

The "Land of Dreams: Troy" exhibition is where new generation artists reinterpret Troy, one of the world's best known and most talked about ancient cities. It was first on display at the Piri Reis Museum in Çanakkale from 27 July to 27 August.

For a 360° tour visit:

<https://www.duslerulkesitroya.com/360-sergi/>



We carry the responsibility we feel for a livable tomorrow into all our fields of business and with our **#CareForYourWorld** philosophy, we believe that a lot of good is going to come from the small changes we are going to make in our worlds.

From production to R&D, our goal is for every step we take on our journey to excellence to leave a good footprint in nature, we work with environmentally friendly products to use our water and energy resources more efficiently.

There is so much we can do for the future of the planet, and with our environmentally friendly products, there is sustainability in our chemistry.

"Kale
#CareForYourWorld

About Kalekim



Among 80 countries. Always the best.

Kalekim Factories

• Istanbul • Balıkesir • Isparta • Mersin • Yozgat • Erzurum • Mardin

• Kenya • Albania

• Afghanistan • Albania • Algeria • Australia • Azerbaijan • Bahrain • Barbados • Belarus • Belgium • Benin
• Bulgaria • Burkina Faso • Cameroon • Canada • Cayman Islands • Congo • Denmark • Djibouti • Equatorial Guinea
• Ethiopia • France • Gabon • Gambia • Georgia • Germany • Ghana • Greece • Guinea • India • Iraq
• Ireland • Jordan • Kazakhstan • Kenya • Kosovo • Kuwait • Kyrgyzstan • Lebanon • Liberia • Libya • Macedonia
• Madagascar • Malta • Mauritania • Moldova • Montenegro • Morocco • Netherlands • Niger • Nigeria • Oman
• P.R. China • Pakistan • Palestine • Panama • Qatar • Réunion • Romania • Russia • Rwanda • Saudi Arabia
• Serbia • Sierra Leone • Slovakia • South Africa • Sweden • Switzerland • Taiwan • Tajikistan • Tanzania • Tunisia
• Turkish Republic of Northern Cyprus • Turkmenistan • Uganda • Ukraine • United Arab Emirates • United Kingdom
• United States of America • Uzbekistan • Yemen



Kalekim Chemicals Co. Inc.

A journey of almost half a century

Under the leadership of its founder Dr. Ibrahim Bodur, Kale Group established Kalekim A.Ş. in 1973 to manufacture tile adhesives and grouting mortars for the first time in Turkey, which now continues on its path providing all kinds of construction chemicals for the industry.

Continuously improved technology and R&D investments

Thanks to the huge investments it makes in production technology and R&D, Kalekim produces top quality products conforming to international standards. In this respect, it is a major force in Turkey and in the global industry.

International quality and durability

Kalekim products are produced under ISO 9001 Quality Management System, conforming to Turkish and European Standards and maintain their quality from the moment of production through application and for many years later.

High production capacity and product variety

Tile adhesives, grouting mortars, waterproofing and thermal insulation materials, putties, sealants, surface preparation materials, tile cleaning and maintenance materials, flooring applications, interior and exterior paints, and decorative coatings are among the gamut of products served by Kalekim, which has the capacity to produce 900,000 tons of construction chemicals and 100,000 tons of paints and coatings annually. Kalekim has production facilities in Istanbul, Balıkesir, Isparta, Mersin, Yozgat, Erzurum, Mardin in Turkey, as well as in Kenya, Albania and soon in Algeria.

Kalekim R&D

Sector leader and technology pioneer.

Kalekim has been the market leader in the construction chemicals sector by a clear margin since 1973 and retains this title through its R&D investments. The goal of all new technologies and investments is to make consumer lives easier and contribute to savings and the economy.

With 47 years of experience, Kalekim's R&D today works to develop and improve an already broad gamut of products such as tile applications, waterproofing, thermal insulation, flooring systems, paint, plaster, and surface preparation materials.

Equipped with the latest technological instruments, "Kalekim Applied Research Laboratories" work on projects jointly with public institutions and universities. All the tests carried out at this technology base conform to European Standards that guarantee quality and customer satisfaction.

Kalekim adhesives retain their definition and features even after many years.

Through the proprietary technology developed by Kalekim, the adhesive underneath the ceramic retains its definition many years after application. Thanks to a special raw materials added during the production of tile adhesives, examinations of samples taken from products many years later show that this technology, which ensures product and brand-name recognition, is the first of its kind in the sector.

Through its R&D work, Kalekim is an active participant in many national and international conferences discussing cement, dry mortar and paint.



Sustainability

Collaboration with Universities

We have “open days” for our university and high-school students who are our future, during which we tell them about our production processes, our approach to quality, the environment, workplace health and safety, and customer satisfaction, and about our R&D, product, and service designs. We also participate in career days at universities to add young talents to our team. Our leaders in STEM (Science, Technology, Engineering, and Mathematics) fields tell students about Kalekim’s approaches in these areas so that young people can improve our country’s technological infrastructure.



Kalekim Masters Club

Being Turkey’s first and largest masters club with 45.000 professionals, the foundations of the Kalekim Masters Club were laid in 1973 when Kalekim A.Ş. was founded and ceramic tile professionals gathered under Kalekim’s roof. The professionals’ platform was reshaped with the outcomes of satisfaction questionnaires in 1996, and the Kalekim Masters Club was created in 2001. The Kalekim Masters Club continues to add a trained labour force to the sector by preparing education and development programs for its 45.000 members in Turkey, and more than 5,000 professionals abroad, and developing their business potentials. Through the “Adaptation Courses” that is organized in many of Turkey’s provinces until 2015 and that were enriched with theoretic and practical trainings, Kalekim helped professionals receive the Ministry of Education Approved Official Course Completion Certificates. With the help of the Kaleseramik Foundation Economic Enterprise they have also received the “Vocational Qualification Certificate,” which became mandatory in 2016.



Environmental Sustainability

We assess how our production processes, product designs, and services impact the environment; we design environmental friendly product to protect our world, and we market products that do not harm people or the environment.

When designing products we consider recycling. We make decorative coatings using waste glass and add bits of rubber that will break down in nature over 1,000 years to our product designs.

We voluntarily calculate our carbon footprint in the world. In an effort to reduce our carbon footprint we have opened facilities at seven locations in Turkey and prefer to use nearby facilities when procuring raw materials. We are benefiting the world by improving our nearby raw materials suppliers, sometimes by incorporating them into the company, and purchasing fillers in the amounts we need. Thanks to our multiple facility structure, we produced 873 fewer tons of carbon. As stated in our policy, we are working to block our waste at the source before it forms. When waste is formed we separate what can be recycled and destroy hazardous waste using licensed agencies. We use our electronic waste to support the computer laboratories at vocational high schools. Saving matters in our country where energy is a very expensive overhead. In terms of energy saving, together with our thermal insulation products group, we have designed more than 100 roof insulation products that reflect the sunlight and provide waterproofing.

In addition, Kalekim Isparta Factory and Kalekim Yozgat Factory were entitled to receive the “Zero Waste Certificate” as a result of their zero waste management efforts within the scope of using resources in a healthy and efficient manner, reducing waste and recycling by separation.

For more details visit:
<http://www.kalekim.com>

Awards

Kalekim’s “Guaranteed Professional System” was awarded by Game Changers Turkey

Kalekim’s “Guaranteed Professional System” made it to the finals at the GameChangers Türkiye Awards, where Turkey’s most innovative and game-changing companies are selected and it won the first place in the “Impact” category. The first of its kind in the world, Kalekim’s “Guaranteed Professional System” project launched a brand new era for consumers and professionals. The project was subject to two evaluation stages: In the first stage, the jury put Kalekim in the final and in the second stage Kalekim was top rated by popular vote.



2016

Low Carbon Heroes Award

At 6th Istanbul Carbon Summit, Kalekim’s “Useful Tracks in Shipping” won the Low Carbon Heroes Award with its climate change-resistant logistical success.



Kalekim Wins Turkey’s Best Workplace Award for the Second Time

According to the results of the 2018 Aon Best Employers Survey, which is based on independent review, Kalekim is one of the organizations having the best working environment and best worker experience, and has twice been selected as one of Turkey’s Best Workplaces by winning the title of “Aon Best Employer.”



Kalekim Becomes Turkey’s Most Excellent

The 2019 Turkey Excellence Awards, regarded as Turkey’s most prestigious awards, have been announced. Organized by the Turkey Quality Association (KalDer) with this year’s theme being “Fix the Basics,” the 28th Quality Congress granted construction chemicals sector leader Kalekim the 2019 Turkey Excellence Award.



EFQM Awards - 2019
Kalekim

Fairs

Kalekim introduces its wide product range and services to professionals at trade fairs all around the world.



Big 5 - 2017 / Dubai



Turkeybuild - 2018 / Istanbul



Project Qatar - 2018 / Doha



Batimat - 2019 / Paris



BAU - 2019 / Munich



Yugbuild - 2020 / Krasnodar

Protection is in its Chemistry!

Impermeability, trust, comfort!

Waterproofing Applications

Products

İzostop
İzostop Rapid
İzoseal
İzoseal 2K
İzoseal 2K+
İzoflex
İzolatex
İzolatex Plus
İzolatex UV
İzolatex 1K
Ultralastic
Durex
Profesyonel Durex
Elastiser
Elastikor
Elasticool
İzoline Astar
İzoblok 1K
İzoblok 2K+
Profesyonel 2K
Profesyonel 2K+
İzopur P
İzopur
İzopur C
İzopur Trans P
İzopur Trans
Kalekim Waterproofing Tape
Kalekim Dilatation Tape
İzoline 100
İzoswell

Waterproofing Applications



3001 İzostop Plug Mortar

Waterproofing, rapid setting cement based plug mortar containing mineral fillers which can be applied in powder and mortar form to stop active water leaks.

Fields of Application

- To plug and dry the water leakages in foundations, basements, concrete walls of water tanks and concrete pipes, tunnels, reservoirs, etc. before the application of waterproofing materials.
- Repairing and waterproofing of cable and pipe holes.
- Repairing and waterproofing of tie rod holes.
- Used for internal waterproofing of basement floors with Kalekim İzoseal.

General Data

Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packaging.
Packaging: 5 kg plastic pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 0.18 lt water / 1 kg powder
Pot Life: 1 min
Ready to Use: 2 min
Consumption: 2 kg for a hole having a volume about 1 lt volume.

Performance Data (23°C and 50% RH)

Flexural Strength (EN 12190): ≥ 3 N/mm²
Compression Strength (EN 12190): ≥ 20 N/mm²
Shrinkage (EN 12617-4): Max. 2% mm/m



3005 İzostop Rapid Very Fast Setting Plug Mortar

Waterproof, very fast setting in contact with water, composed of mineral fillings and cement based plug mortar used for sealing and repairing of water leakages.

Fields of Application

- To plug and stop the water leakages in foundations, basements, concrete walls of water tanks and concrete pipes, etc. before the application of waterproofing materials.
- Repairing and waterproofing of tie-rod holes.
- Waterproofing of cable and pipe holes.
- Used for internal waterproofing of basement floors with Kalekim İzoseal.

General Data

Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packaging.
Packaging: 5 kg plastic pail

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 0.23 - 0.25 lt water / 1 kg powder
Pot Life: Max. 30 seconds
Mixing Time: 15 seconds
Heating Time: 15-30 seconds
Consumption: 2 kg for a hole having a volume about 1 lt

Performance Data (23°C and 50% RH)

Flexural Strength: > 3 mm/m²
Compression Strength: > 25 N/mm²
Shrinkage: Max. 3% mm/m



3026 İzoseal Crystalline Waterproofing Mortar

One component, capillary effect, cementitious waterproofing compound applicable from both inside (negative) and outside (positive) directions, for interior and exterior concrete and masonry structural elements.

Fields of Application

In waterproofing of all structurally sound concrete, either from negative or positive side on:

- Basements.
- Foundations and basement retaining walls.
- Swimming pools and reservoirs.
- Sewage and water treatment plants.
- Tunnels, channels and bridges.
- Elevator shaft basements.
- Wet areas like bathrooms, WC etc.
- Underground garages and warehouses.

General Data

Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packaging.
Packaging: 25 kg multi-ply paper bag.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 7 - 7.5 liters water / 25 kg powder (roller application)
 12 - 12.5 liters water / 25 kg powder (power spray application)
Pot Life: 40 minutes
Waiting Time Between the Coats: 3 - 6 hours
Time to Waterproof: 7 days
Consumption: 2 kg/m² for 2 coats

Performance Data (at 23°C and 50% RH)

Density: 2100 \pm 100 kg /m³
Impermeability to Water: 7 bar (both positive and negative water pressure)
Adhesion Strength (EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Cycling Without De-icing Salts Impact (EN 13687-3/ EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Heat Ageing (EN 1062-11/EN 1542): ≥ 1.00 N/mm²
Permeability to Water Vapour (EN ISO 7783-2): Class I ; Sd < 5 (Sd: equivalent air thickness)
Capillary Water Absorption (EN ISO 1062-3): < 0.1 kg/m² h^{0.5}
Dangerous Substances: See SDS.
Reaction to Fire: A1



Moisture control, increasing resistivity by limiting moisture content, coating.

EN 1504-2 Class MC, IR-C
 Hacettepe University Doping Control Center Approval Report according to BS 6920 (suitable for use in contact with water intended for human consumption)



3031 İzoseal 2K Two Component Crystalline Waterproofing Mortar

Crystalline waterproofing material consisting of emulsion polymer based liquid and cement based powder components that contain chemical additives to increase water impermeability and workability, which is applicable from both negative and positive directions of interior and exterior concrete and masonry structural elements.

Fields of Application

- Waterproofing of ;
- Bathrooms, showers,
 - Water basins,
 - Foundations, retaining walls, basement walls,
 - Tunnels,
 - Elevator shaft basements,
 - Brine pit
 - Fishponds
 - Concrete, plaster and screed surfaces.



Moisture control, increasing resistivity by limiting moisture content, coating.



EN 1542, Class MC, IR-C

General Data

Appearance: 1st component: Grey powder, 2nd component: White liquid.
Shelf Life (Powder and liquid): 12 months when stored in the original sealed packaging
Packaging: Powder component: 25 kg multi-ply paper bags,
 Liquid component: 3 lt drums.
 Set of 28 kg

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 3 lt liquid / 5-6 lt water / 25 kg powder
Mixing: -3 mins. with max. 500 rpm mixer
Pot Life: -2 hours
Waiting Time Between the Coats: 3 - 6 hours
Time to Waterproof: 7 days
Consumption (per 1 mm thickness): For humidity: 0.70 kg/m²
 For Non-Pressurized Water: 1.00 kg/m²
 For Pressurized Water: 1.35 kg/m²

Performance Data (at 23°C and 50% RH)

Density: 1850 \pm 100 kg/m³
Impermeability to Water: 4 bar (negative), ≥ 7 bar (positive)
Adhesion Strength (EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Cycling Without De-icing Salts (EN 13687-3 / EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Heat Ageing / Em 1062-11 / EN 1542): ≥ 1.00 N/mm²
Permeability to Water Vapour (EN ISO 7783-2): Class I; Sd < 5 m
Capillary Water Absorption (EN 1062-3): < 0.1 kg/m² h^{0.5}
Heat Resistance: (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire: European classification Bs1d0



3032 İzoseal 2K+ Two Component Crystalline Waterproofing Mortar

Crystalline waterproofing material consisting of emulsion polymer based liquid and cement based powder components that contain chemical additives to increase water impermeability and workability, which is applicable from both negative and positive directions of interior and exterior concrete and masonry structural elements.

Fields of Application

- Waterproofing of ;
- Bathrooms, showers,
 - Terraces and balconies,
 - Water basins,
 - Foundations, retaining walls, basement walls,
 - Tunnels,
 - Pools,
 - Elevator shaft basements,
 - Brine pools,
 - Fishponds,
 - Turkish baths, SPA's
 - Concrete, plaster and screed surfaces.



Protection against ingress, moisture control, increasing resistivity by limiting moisture content, coating.



EN 1542 Class PI, MC, IR-C

General Data

Appearance: 1st component: Grey powder, 2nd component: White liquid.
Shelf Life (Powder and liquid): 12 months when stored in the original sealed packaging
Packaging: Powder component: 25 kg multi-ply paper bags,
 Liquid component: 10 lt drums.
 Set of 35 kg

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 10 lt liquid / 25 kg powder
Mixing: -3 mins. with max. 500 rpm mixer
Pot Life: 45 minutes
Waiting Time Between the Coats: 3 - 6 hours
Time to Waterproof: 7 days
Consumption (per 1 mm thickness): 1.4 kg/m²

Performance Data (at 23°C and 50% RH)

Density: 1550 \pm 100 kg/m³
Impermeability to Water: ≥ 1 bar (negative), ≥ 7 bar (positive)
Adhesion Strength (EN 14891): ≥ 1.00 N/mm²
Adhesion Strength (EN 1504-2): ≥ 0.80 N/mm²
Permeability to Water Vapour (EN ISO 7783): Class I; Sd < 5 m
Capillary Water Absorption (EN 1062-3): < 0.1 kg/m² h^{0.5}
Crack Bridging (EN 1062-7) (21 °C): ≥ 0.75 mm (Class A3)
Crack Bridging with Mesh (EN 1062-7) (21 °C): > 2.50 mm
Heat Resistance: (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire: European classification Cs1d0

Waterproofing Applications



3021 İZOFLEX Waterproofing Mortar

One component, cementitious mortar for waterproofing and protection of concrete structures, renders and cementitious screeds against water and humidity.

Fields of Application

Waterproofing of;

- Bathrooms, showers, balconies, terraces before laying ceramic tiles.
- Small scale concrete basins of potable water and decorative pools.
- Small scale terraces, balconies.
- Can be applied on surfaces such as concrete, plaster, screed.



Moisture control, increasing resistivity by limiting moisture content, coating.



Conforms TS EN 1504-2 Class MC, IR-C
Hacettepe University Doping Control Center Approval Report according to BS 6920 (suitable for use in contact with water intended for human consumption)

General Data

Appearance: White/Grey Powder
Shelf Life (Powder and liquid): 12 months when stored in the original sealed packaging
Packaging: 25 kg multi-play paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 5 - 5.5 lt water / 25 kg powder (for roller or trowel application)
7.5 - 8 lt water / 25 kg powder (for brush application)

Pot Life: 1 hour

Waiting Time Between the Coats: 5 - 6 hours

Waiting Time / Overcoatibility: Min. 3 days

Time to Waterproof: 7 days

Consumption: 2 kg/m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)

Density (EN 1015-6): 1850 ± 90 kg/m³
Impermeability to Water (for 3 mm thickness): 1.5 bar (positive)
Adhesion Strength (EN 1542): ≥ 1.0 N/mm²
Adhesion Strength After Cycling Without De-icing Salts Impact (EN 13687-3/EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Heat Ageing (EN 1062-11/EN 1542): ≥ 1.00 N/mm²
Permeability to Water Vapour (EN ISO 7783-2): Class I; Sd < 5 (Sd: Equivalent air thickness)
Capillary Water Absorption (EN ISO 1062-3): < 0.1 kg/m² h^{0.5}
Heat Resistance: (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire: A1



3024 İzolatex Plus Highly Flexible Waterproofing Mortar

Highly flexible waterproofing mortar composed of emulsion polymer-based liquid component and cementitious powder component containing additives that improve waterproofing and workability, which is resistant to salts and suitable for interior and exterior applications.

Fields of Application

- Swimming pools, water tanks, basins, pipes etc.
- Bathrooms, showers, WC, like wet areas before the tiling.
- Balconies and terraces before laying ceramic tiles.
- Underground concrete elements like foundations, retaining walls and basement walls.
- Places subject to deformation, pedestrian and load traffic.
- Concrete basins subject to sea water and de-icing salts.
- Can be applied on surfaces such as concrete, plaster, screed.



Protection against ingress, moisture control, increasing resistivity by limiting moisture content, coating.



EN 14891 Class CMO2P. EN 1504-2 Class PI, MC, IR-C
Hacettepe University Doping Control Center Approval Report according to BS 6920 (suitable for use in contact with water intended for human consumption)

General Data

Appearance: 1st component: Grey powder; 2nd component: White liquid.
Shelf Life (Powder and liquid): 12 months when stored in the original sealed packaging
Packaging: Powder component: 20 kg multi-ply paper bags,
Liquid component: 10 lt drums.
Set of 30 kg

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 10 lt liquid / 20 kg powder
Mixing: -3 mins. with max. 5000 rpm mixer
Pot Life: 5 hours
Waiting Time Between the Coats: 5 - 6 hours
Waiting Time / Overcoatibility: Min. 3 days
Time to Waterproof: 7 days
Consumption: 1.7 kg/m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)

Density: 1580 ± 100 kg/m³
Impermeability to Water (for 3 mm thickness): 7 bar (positive)
Adhesion Strength (EN 14891): ≥ 0.50 N/mm²
Adhesion Strength (EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Water Immersion (EN 14891): ≥ 0.50 N/mm²
Adhesion Strength After Freeze-Thaw Cycles (EN 14891): ≥ 0.50 N/mm²
Adhesion Strength After Cycling Without De-icing Salts Impact (EN 13687-3/EN 1542): ≥ 1 N/mm²
Adhesion Strength After Heat Ageing (EN 14891): ≥ 0.50 N/mm²
Adhesion Strength After Heat Ageing (EN 1062-11/EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Contact With Lime Water (EN 14891): ≥ 0.50 N/mm²
Adhesion Strength After Contact With Chlorinated Water (EN 14891): ≥ 0.50 N/mm²
Crack Bridging (23 °C) (EN 14891): ≥ 0.75 mm
Crack Bridging (-20 °C) (EN 14891): ≥ 0.75 mm
Crack Bridging (-21 °C) (EN 1062-7): ≥ 2.5 mm (A5)
Chloride Diffusion (ASTM C1202): ≤ 200 Coulomb (Class: Very low permeability)
Carbon Dioxide Permeability (EN 1062-6): Sd > 50 m (Sd: Equivalent air thickness)
Permeability to Water Vapour (EN ISO 7783-2): Class I; Sd < 5 (Sd: Equivalent air thickness)
Capillary Water Absorption (EN ISO 1062-3): < 0.1 kg/m² h^{0.5}
Heat Resistance: (-40°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire: European classification Cs1d0



3023 İzolatex Semi-Flexible Waterproofing Mortar

Semi-flexible waterproofing and concrete protection mortar consisting of emulsion polymer-based liquid component and cement-based powder component containing chemical additives that increase water impermeability and workability for interior and exteriors.

Fields of Application

- Waterproofing of bathrooms, showers, balconies, terraces before laying ceramic tiles.
- Waterproofing of swimming pools, Turkish baths before laying ceramic tiles.
- Can be applied on surfaces such as concrete, plaster, screed.



Moisture control, increasing resistivity by limiting moisture content, coating.



EN 1504-2 Class MC, IR-C
Hacettepe University Doping Control Center Approval Report according to BS 6920 (suitable for use in contact with water intended for human consumption)

General Data

Appearance: 1st component: Grey or White powder; 2nd component: White liquid.
Shelf Life (Powder and liquid): 12 months when stored in the original sealed packaging
Packaging: Powder component: 20 kg multi-ply paper bags,
Liquid component: 5 lt drums.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 5 lt liquid / 20 kg powder
Mixing: -3 mins. with Max. 500 rpm mixer
Pot Life: 2 hours
Waiting Time Between the Coats: 5 - 6 hours
Waiting Time / Overcoatibility: Min. 3 days
Time to Waterproof: 7 days
Consumption: 1.7 kg/m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)

Density (EN 1015-6): 1900 ± 100 kg/m³
Impermeability to Water (for 3 mm thickness): ≥ 2 bar (positive)
Adhesion Strength (EN 1542): ≥ 1.0 N/mm²
Adhesion Strength After Cycling Without De-icing Salts Impact (EN 13687-3/EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Heat Ageing (EN 1062-11/EN 1542): ≥ 1.00 N/mm²
Permeability to Water Vapour (EN ISO 7783-2): Class I; Sd < 5 (Sd: Equivalent air thickness)
Capillary Water Absorption (EN ISO 1062-3): < 0.1 kg/m² h^{0.5}
Heat Resistance: (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire: European classification Bs1d0



3027 İzolatex UV UV Resistant Waterproofing Mortar

Two component, highly flexible, UV resistant waterproofing mortar with effective resistance against salt and carbon dioxide used for interior and exterior concrete and masonry structural elements, composed of emulsion polymer based liquid component and cement based white powder, containing chemical additives that increase water impermeability and workability.

Fields of Application

- Waterproofing of balconies, terraces and roofs subject to light pedestrian and load traffic without additional covering.
- Waterproofing of swimming pools, bathrooms, showers, hammam before laying ceramic tiles.
- Applied on surfaces such as concrete, plaster, screed.



Protection against ingress, moisture control, increasing resistivity by limiting moisture content, coating.



EN 14891 Class CMO1P
EN 1504-2 Class PI,MR,IR-C

General Data

Appearance: 1st component: White powder; 2nd component: White liquid.
Shelf Life (Powder and liquid): 12 months when stored in the original sealed packaging
Packaging: Powder component: 25 kg multi-ply paper bags,
Liquid component: 8 lt drums.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 8 lt liquid / 25 kg powder
Mixing: -3 mins. with max. 500 rpm mixer
Pot Life: 3 hours
Waiting Time Between the Coats: 5 - 6 hours
Waiting Time / Overcoatibility: Min. 3 days
Time to Waterproof: 7 days
Consumption: 1.7 kg/m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)

Density (EN 1015-6): 1700 ± 100 kg/m³
Impermeability to Water (for 3 mm thickness): ≥ 7 bar (positive)
Adhesion Strength (EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Freeze-Thaw Cycles (EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Water Immersion (EN 1542): ≥ 1.00 N/mm²
Resistance to Accelerated Ageing (EN 1062-11): No visual change.
After 2000 hours UV radiation and humidity
Adhesion Strength After Contact With Lime Water (EN 14891): ≥ 0.50 N/mm²
Adhesion Strength After Contact With Chlorinated Water (EN 14891): ≥ 0.50 N/mm²
Chemical Resistance (EN ISO 2812-1): No visible deformation after 30 days
Crack Bridging (23 °C) (EN 14891): ≥ 0.75 mm
Crack Bridging (-5 °C) (EN 14891): ≥ 0.75 mm
Crack Bridging (EN 1062-7) (21 °C): ≥ 1.25 mm (A4)
Chloride Diffusion (ASTM C1202): ≤ 200 Coulomb (Class: Very low permeability)
Carbondioxide Permeability (EN 1062-6): Sd > 50 m (Sd: Equivalent air thickness)
Capillary Water Absorption (EN ISO 1062-3): < 0.1 kg/m² h^{0.5}
Heat Resistance: (-40°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire: European classification Cs1d0

Waterproofing Applications

NEW



3022 İzolatex 1K

One-Component Cementitious Mortar for Flexible Waterproofing & Concrete Protection

Izolatex 1K is a one-component, crack-bridging, flexible mortar, based on cement modified with waterproofing and workability improving additives used for interior and exterior applications.

Fields of Application

- Bathrooms, showers, WC, Turkish baths, spa-like wet areas before the tiling.
- Balconies and terraces before laying ceramic tiles.
- Swimming pools, water tanks, basins, pipes etc.
- Internal wall floors against leakage and surface water.
- External wall surfaces to be backfilled in the ground.
- It is applied on concrete surfaces which must be protected against sea water salts.

TS EN 14891
Class CMO1P

General Data

Appearance: Grey colour cement modified powder
Shelf Life: 12 months when stored in the original sealed packaging.
Packaging: 20 kg multi-ply paper bag.

Application Data

Application and Surface Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 5.5 - 6.3 lt water per 20 kg bag (by brush)
 3.2 - 4.0 lt water per 20 kg bag (by trowel)
Mixing: ~3 mins. with max. 500 rpm mixer
Pot Life: ≥ 120 min. at +20°C
Consumption: 0.85 - 1.00 kg/m²/mm
Waiting Time / Overcoating: 3 days
Time to Waterproof: 7 days

Performance Data (23°C and 50% RH)

Fresh Mortar Density: 1.35 ± 0.1 g/cm³
Initial Tensile Adhesion Strength and After Water Contact, Heat Aging, Freeze-Thaw Cycles (EN 14891): ≥ 1 N/mm²
Tensile Adhesion Strength (EN 1542): ≥ 2 N/mm²
Freeze Thaw De-icing Salt Resistance (EN 13687-3): ≥ 1 N/mm²
Water Penetration under Pressure (EN 14891): 7 bar (positive)
Crack Bridging Ability (EN 14891): ≥ 0.75 mm (+23°C)
 ≥ 0.75 mm (-5°C)



Moisture control, increasing resistivity by limiting moisture content, hydrophobic impregnation.



EN 1504-2 Class MC, IR-H

3351 Durex

Impregnation Waterproofing and Surface Protection Material

Silicone based concentrated impregnation and surface protection material, providing water impermeability without decreasing the water vapor permeability of the surface applied on and without giving any color or sheet to it.

Fields of Application

- Impregnation of porous mineral surfaces such as concrete, lime-sand stone and brick where waterproofing is required.
- Protecting concrete surfaces against abrasion caused by water, salt, chlorine and alkali.
- Impregnation of surfaces coated with any kind of paint or plasters having relatively low water resistance.
- Priming of surface before application of the paints and plasters.

General Data

Appearance: Transparent liquid
Shelf Life: 12 months when stored in the original sealed packaging.
Packaging: 1 liter plastic drum.

Application Data

Application Temperature Range: (0°C) - (+35°C)
Consumption: Approximately 0.20 - 0.50 lt/m² (Depending on the porosity of the substrate)
Application layer: 2 coats (wet on wet)
Minimum Drying Time: 45 - 60 minutes
Penetration: Very good

Performance Data (23°C and 50% RH)

Density: 1.0 g/cm³
Water Absorption: < 0.020 kg/m² h^{1/2}
Drying Rate Coefficient (EN 13579): > 30% (Class I)
Penetration Depth: < 10 mm (Class I)
Water Absorption and Resistance to Alkali (EN 13580): Water Absorption < 7.5%, Absorption ratio after exposure to alkali < 10%
Dangerous Substances: See SDS.



3025 Ultralastic

Ultra Flexible Rapid Curing Waterproofing and Concrete Protection Mortar

Rapid curing, highly flexible, resistant to sulphate and durable waterproofing and concrete protection mortar for interior and exterior applications, composed of emulsion polymer based liquid component and powder component including waterproofing, and workability improving mineral additives, and special elements.

Fields of Application

- Waterproofing of;
 - Underground concrete elements like foundations, retaining walls, basement walls.
 - The soil contacting areas of concrete elements.
 - Permanently wet areas like swimming pools and water basins.
 - Wet areas like bathrooms, showers.
 - Wall interfaces.
 - Balconies and terraces.
 - The areas subject to saline water.
 - Concrete basins subject to sea water and de-icing salts.
 - Concrete, plaster and screeds.
- Waterproofing under ceramic tiling.
- Waterproofing over old tiling.
- All places where quick installation is needed.



Protection against ingress, moisture control, increasing resistivity by limiting moisture content, coating.



EN 14891 Class CMO1P.
 EN 1504-2 Class PI, MC, IR-C
 Hacettepe University Doping Control Center Approval Report according to BS 6920 (suitable for use in contact with water intended for human consumption)

General Data

Appearance: 1st component: Grey powder, 2nd component: White liquid.
Shelf Life (Powder and liquid): 12 months when stored in the original sealed packaging
Packaging: Powder component: 12 kg bag. Liquid component: 8 lt plastic pail. Set of 20 kg.

Application Data

Application Temperature Range: (+5°C) - (+25°C)
Mixing Ratio: 8 lt liquid / 12 kg powder
Mixing: ~3 mins. / 400-600 rpm
Pot Life: 45 minutes
Consumption:

- Areas subject to water at a normal level: 2.4 kg/m² (2 layer)
- Waterproofing against permanent water pressure at balconies and terraces, pools and water tanks: 3.2 kg/m² (2 layers)
- Soil contacting concrete elements and foundations: 4.5 kg/m² (3 layers)

Waiting Time Between Coats: 1.5 hours
Waiting Time Before Tiling: 3.0 hours
Curing Time: Max.12 hours (regardless of weather conditions)

Performance Data (at 23°C and 50% RH)

Density (mixture): 1.45 ± 0.1 g/cm³
Impermeability to Water (EN 14891): ≥ 7 bar after 6 hours (positive 28 days)
Tensile Adhesion Strength (EN 14891): ≥ 0.5 N/mm²
Tensile Adhesion Strength After Water Contact / Heat Treating / Freeze Thaw Cycle (EN 14891): ≥ 0.5 N/mm²
Crack Bridging (EN 14891): ≥ 1.50 mm (+23 °C)
 ≥ 1.00 mm (-5 °C)
Adhesion Strength (EN 1542): 3 hours: ≥ 0.5 N/mm²
 24 hours: ≥ 1.0 N/mm²
 28 days: ≥ 1.5 N/mm²
Adhesion Strength After Cycling Without De-icing Salts Impact (EN 13687-3 / EN 1542): ≥ 1.0 N/mm²
Crack Bridging (EN 1062-7): ≥ 3.0 mm (A5) (21 °C)
Permeability to Water Vapour (EN ISO 7783-2): Class I; Sd < 5
Capillary water absorption (EN 1062-3): < 0.1 kg/m² h^{0.5}
Heat Resistance: (-40 °C) - (+80 °C)
Dangerous Substance: See SDS.

NEW



3353 Profesyonel Durex

Impregnation Waterproofing and Surface Protection Material

Silane / Siloxane emulsion based, solvent-free, ready to use surface protection and water repellent primer.

Fields of Application

- Impregnation of porous mineral surfaces such as concrete, lime-sand stone, decorative brick, clinker, where waterproofing is required.
- Priming surfaces of unpolished, absorbent, natural and unnatural stones for protection.
- Priming of surfaces before application of paints and plasters.

General Data

Appearance: White liquid
Density: 1.0 g/cm³
Shelf Life: 12 months when stored in the original sealed packaging.
Packaging: 10 lt plastic drum.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Consumption: Approximately 0.2 - 1.0 lt/m² (Depending on the porosity of the substrate.)
Application layer: 2 coats (wet on wet)
Drying Time: 24 hours
Penetration: Good

Performance Data (23°C and 50% RH)

Density: 1.0 ± 0.03 gr/cm³
Water Absorption and Resistance to Alkali (EN 13580): < 0.050 kg/m² h^{1/2}

NEW



3111 Elastiser

Elastomeric Resin Based Waterproofing Material

Acrylic emulsion elastomeric resin based, one component, ready to use, elastic and liquid under-tile waterproofing material.

Fields of Application

- Under-tile waterproofing of wet areas such as bathrooms, toilets, balconies and terraces.
- In horizontal and vertical applications.
- Interior and exterior.
- Suitable for use on concrete, cement-based plaster and screed surfaces, gypsum based surfaces and panels.



TS EN 14891 Class DM

General Data

Appearance: White & Grey liquid waterproofing material
Shelf Life: 12 months when stored in the original sealed packaging.
Packaging: 5 kg and 20 kg plastic pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Waiting Time Between Coats (23°C): 4 - 6 hours
Ready to Use: 3 - 7 days
Consumption: 1.5 - 2 kg/m² (for 1 mm thickness)

Performance Data (23°C and 50% RH)

Initial Tensile Adhesion Strength (TS EN 14891): ≥ 0.5 N/mm²
Tensile Adhesion Strength After Water Contact (TS EN 14891): ≥ 0.5 N/mm²
Tensile Adhesion Strength After Heat Ageing (TS EN 14891): ≥ 0.5 N/mm²
Tensile Adhesion Strength After Freeze - Thaw Cycles (TS EN 14891): ≥ 0.5 N/mm²
Tensile Adhesion Strength After Contact With Lime Water (TS EN 14891): ≥ 0.5 N/mm²
Waterproofing (TS EN 14891): No penetration, ≤ 20 gr mass increase
Crack Bridging Abilities Under Standard Conditions (TS EN 14891): ≥ 0.75 mm
Service Temperature Range: (-30°C) - (+80°C)
Dangerous Substances: See SDS

Waterproofing Applications

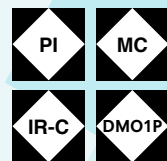


3131 Elastikor Elastomeric Resin Based Waterproofing Material Resistant to UV Rays

Elastomeric resin based, one component, waterproofing liquid plastic coating.

Fields of Application

- Waterproofing of all types of flat or sloping roofs made of concrete, plaster, asbestos cement, tile, aluminum, zinc, PVC, asphalt (at least one year old).
- Exterior waterproofing of buildings.
- For crack bridging.



Protection against ingress, moisture control, increasing resistivity by limiting moisture content, coating.



EN14891 Class DMO1P.
EN 1542 Class PI,MC,IR-C

General Data

Appearance: White liquid waterproofing material
Shelf Life: 24 months when stored in the original sealed packaging
Packaging: 1 kg, 3 kg, 10 kg and 20 kg plastic pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Waiting Time Between Coats (23°C): 4 hours
Ready to Use: 3 - 7 days
Consumption: -1.5 kg/m² (for 1 mm thickness)
Application (vertical): 2 layers. Thickness: 0.75 - 1.00 mm
Application (horizontal): 3 layers. Thickness: 1.00 - 1.50 mm

Performance Data (23°C and 50% RH)

Tensile Strength (EN 1542): ≥ 0.8 N/mm²
Tensile Adhesion Strength After Cycling Without De-icing Salts Immersion (EN 13687-3 / EN 1542): ≥ 0.8 N/mm²
Tensile Adhesion Strength After Heat Ageing (EN 1062-11/EN 1542): ≥ 0.8 N/mm²
Resistance to Accelerated Ageing (EN 1062-11): No visible change. (2000s UV and condensation)
Crack Bridging (EN 1062-7) (21 °C / -10 °C): ≥ 2.5 mm (A5) / ≥ 1.5 mm (A4)
Flexibility: Highly flexible
Permeability to Water-vapour (EN ISO 7783-2): Class I ; Sd < 5 (Sd: equivalent air thickness)
Carbon Dioxide Permeability (EN 1062-6): Sd > 50 m (Sd: equivalent air thickness)
Capillary Water Absorption (EN ISO 1062-3): < 0.1 kg/m² h^{0.5}
Service Temperature Range: (-30°C) - (+80°C)
Dangerous Substances: See SDS
Reaction to Fire: European classification Cs1d0



4701 İzoline Astar Bitumen Primer

Bitumen emulsion-based, ready-to-use primer applied only from the positive side and used to protect the underground or ground level building elements against ground moisture and water leakage.

Fields of Application

- Building foundations, basements, underground garages,
- For treating surfaces before laying bitumen membranes to improve bonding.
- In horizontal and vertical applications
- As a primer prior to application of İzoblok series.

General Data

Appearance: Dark brown in pail, black after drying.
Density: 1.00 g/cm³
Shelf Life: 24 months when stored in the original sealed packaging
Solid Material Ratio: 48 %
Packaging: 17 kg plastic pail.

Application Data

Application Temperature: (+5°C) - (+35°C)
Mixing Ratio (İzoline Astar/Water): 5/1-4/1
Drying Time: 1 hour
Ready to Use: 5-6 hours
Consumption: -400g/m²

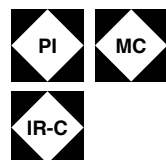


3151 Elasticool Waterproofing and Coating Material with Solar Reflectance

One component, highly elastic, liquid plastic coating and waterproofing material which is formulated with high technology polymerization for waterproofing of roof surfaces and providing energy saving by reflecting radiant heat energy.

Fields of Application

- Waterproofing of all types of flat or sloped roofs and terraces covered with concrete, plaster, asbestos cement, galvanized steel, zinc, aluminum, PVC, polyester and wood.
- Exterior waterproofing of buildings.
- Surfaces of concrete, plaster, stone, clinker, decorative coatings etc.
- Old bitumen, bituminous membrane or asphalt covered surfaces.
- On spray polyurethane foam.
- Used as waterproofing and energy saving material.



Protection against ingress, moisture control, increasing resistivity by limiting moisture content, coating.



EN 1504-2 Class PI,MC,IR-C

General Data

Appearance: White liquid waterproofing material
Shelf Life: 24 months when stored in the original sealed packaging
Packaging: 20 kg plastic pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Waiting Time Between Coats: 4-8 hours
Ready to Use: 3 - 7 days
Consumption: -1.5 kg/m² (for 1 mm thickness)
Application (vertical): 2 layers. Thickness: 0.75 - 1.00 mm
Application (horizontal): 3 layers / Thickness: 1.00 - 2.00 mm

Performance Data (23°C and 50% RH)

Impermeability to Water: ≥ 1 bar / 24 hours
Tensile Strength (EN 1542): ≥ 0.8 N/mm²
Tensile Adhesion Strength After Cycling Without De-icing Salts Immersion (EN 13687-3 / EN 1542): ≥ 0.8 N/mm²
Tensile Adhesion Strength After Heat Ageing (EN 1062-11/EN 1542): ≥ 0.8 N/mm²
Resistance to Accelerated Ageing (EN 1062-11) After 2000 hours UV radiation and humidity: No blistering / cracking / flaking: No visible change.
Crack Bridging (EN 1062-7) (21 °C/-10 °C): ≥ 2.5 mm (A5) / ≥ 2.5 mm (A5)
Total Solar Reflectance: 83%
Thermal Emittance: 94%
Solar Reflectance Index: 105%
Permeability to Water-vapour (EN ISO 7783-2): Class I ; Sd < 5 (Sd: equivalent air thickness)
Carbon Dioxide Permeability (EN 1062-6): Sd > 50 m (Sd: equivalent air thickness)
Capillary Water Absorption (EN ISO 1062-3): < 0.1 kg/m² h^{0.5}
Service Temperature Range: (-30°C) - (+80°C)
Dangerous Substances: See SDS
Reaction to Fire: European classification Cs1d0



3410 İzoblok 1K One Component Bitumen-Rubber Based Waterproofing Material

Flexible, one component, solvent free, fiber reinforced, ready to use bitumen rubber based waterproofing material used on the positive side only for protection against water leakages of construction elements under the ground or in the floor level.

Fields of Application

- Waterproofing of sub-base building structure surfaces which are permanently contact with leaking or pressurized water and moisture,
- Waterproofing of foundations, retaining walls and basement walls, green terraces, sub-base car parking areas, basement floors,
- Waterproofing of interior and exterior mineral surfaces like concrete, stone, brick, plaster, mortar etc.
- Adhesion of polystyrene heat insulation panels.



Conforms EN 15814

General Data

Appearance: Black-brown viscous liquid
Shelf Life: 12 months when stored in original sealed packaging.
Solid Content Ratio: 70% ± 1
Packaging: Available in 30 kg plastic pails.

Application Data

Application Temperature: (+5°C) - (+35°C)
Application Thickness:
- For moisture resistant insulation: min. 3 mm dry film thickness
- For non-pressure water resistance: min. 3 mm dry film thickness
- For pressure water resistance: min. 4 mm dry film thickness
Consumption: Approx. 1.0 - 1.5 kg / m² for each 1 mm thickness. (the consumption amounts are theoretical and it varies by the condition of application surface)
Tack-Free Drying Time: 5 hours
Waiting Time Between the Coats: 1 - 2 hours (depending on the weather conditions)
Complete Drying Time: 1 - 3 days
Ready to Use Time: 7 days (depending on the curing time)

Performance Data (23°C and 50% RH)

Density: 1.26 ± 0.01 gr/ml
Crack Bridging (EN 15812): Class CB2
Waterproofing Capacity: Class W1 (3 mm dry film thickness)
Resistance to Water (EN 15817): Pass
Low Temperature Flexibility: Pass
High Temperature Dimensional Stability: Pass
Reaction to Fire (EN 13501-1): Class E

Waterproofing Applications



3401 İzoblok 2K+ Two Component Bitumen Rubber Based Waterproofing Material

Flexible, two component, solvent free, fiber reinforced bitumen rubber based waterproofing material used on the positive side only for protection against water leakage of construction elements under the ground or in the floor level.

Fields of Application

- Waterproofing of sub-base building structure surfaces which are permanently contact with leaking or pressurized water and moisture.
- Waterproofing of foundations, retaining walls and basement walls, green terraces, sub-base car parking areas, basement floors,
- Waterproofing of interior and exterior mineral surfaces like concrete, stone, brick, plaster, mortar etc.



Conforms EN 15814

General Data

Appearance: 1st component: Black-brown liquid; 2nd component: Grey powder
Shelf Life: 12 months when stored in original sealed packaging.
Solid Content Ratio: 71% ± 1
Packaging: Available in A+B component 30 kg plastic pails.
 Liquid: 22 kg, Powder: 8 kg.

Application Data

Application Temperature: (+5°C) - (+35°C)
Application Thickness:
 - For moisture resistant insulation: min. 3 mm dry film thickness
 - For non-pressure water resistance: min. 3 mm dry film thickness
 - For pressure water resistance: min. 4 mm dry film thickness
Consumption: Approx. 1.0 - 1.5 kg / m² for each 1 mm thickness. (the consumption amounts are theoretical and it varies by the condition of application surface)
Mixing Ratio: 22 kg liquid / 8 kg powder
Pot Life: 2 - 4 hours
Tack-Free Drying Time: 6 hours
Waiting Time Between the Coats: 1 - 2 hours (depending on the weather conditions)
Complete Drying Time: 1 - 5 days
Ready to Use Time: 7 days (depending on the curing time)

Performance Data (23°C and 50% RH)

Density (mixture): 1.13 ± 0.03 gr/ml
Crack Bridging (EN 15812): Class CB2
Waterproofing Capacity: Class W1 (3 mm dry film thickness)
Resistance to Water (EN 15817): Pass
Low Temperature Flexibility (EN 15813): Pass
High Temperature Dimensional Stability (EN 15818): Pass
Reaction to Fire (EN 13501-1): Class E



3403 Profesyonel 2K+ Two Component Fiber-reinforced Bitumen Based Waterproofing Material

Highly flexible, two component, polymer modified, bitumen emulsion based, fiber reinforced, solvent free waterproofing material.

Fields of Application

- Waterproofing of;
- Sub-base building structure surfaces which are permanently contact with leaking or pressurized water and moisture,
 - Foundations, retaining walls and basement walls, green terraces, sub-base car parking areas, basement floors,
 - Interior and exterior mineral surfaces like concrete, stone, brick, plaster, mortar etc.



Conforms EN 15814

General Data

Appearance: 1st component: Black-brown liquid; 2nd component: Grey powder.
Shelf Life: 12 months when stored in original sealed packaging.
Solid Content Ratio: A Component: 56 % A+B Component: 68 %
Packaging: Liquid: 24 kg, Powder: 8 kg
 Available in A+B component 32 kg plastic pails.

Application Data

Application Temperature: (+5°C) - (+35°C)
Application Thickness:
 - For moisture resistant insulation: min. 3 mm dry film thickness
 - For non-pressure water resistance: min. 3 mm dry film thickness
 - For pressure water resistance: min. 4 mm dry film thickness
Mixing Ratio: 24 kg liquid / 8 kg powder
Pot Life: 2 - 4 hours
Consumption: Approx. 1.0 - 1.5 kg / m² for each 1 mm thickness. (the consumption amounts are theoretical and it varies by the condition of application surface)
Tack-Free Drying Time: 6 hours
Waiting Time Between the Coats: 1 - 2 hours (depending on the weather conditions)
Complete Drying Time: 1 - 5 days
Ready to Use Time: 7 days (depending on the curing time)

Performance Data (23°C and 50% RH)

Density (mixture): 1.10 ± 0.03 gr/ml
Crack Bridging (EN 15812): Class CB2
Waterproofing Capacity (EN 15820): Class W1 (3 mm dry film thickness)
Resistance to Water (EN 15817): Pass
Low Temperature Flexibility (EN 15813): Pass
High Temperature Dimensional Stability (EN 15818): Pass
Reaction to Fire (EN 13501-1): Class E



3402 Profesyonel 2K Two Component Bitumen Rubber Based Waterproofing Material

Highly flexible, bitumen emulsion based, solvent free, polymer-modified, two-component waterproofing material.

Fields of Application

- Waterproofing of;
- Sub-base building structure surfaces which are permanently contact with leaking or pressurized water and moisture,
 - Foundations, retaining walls and basement walls, green terraces, sub-base car parking areas, basement floors,
 - Wet areas like bathrooms, WC etc.
 - Balconies and terraces (under floor covering).
 - Interior and exterior mineral surfaces like concrete, stone, brick, plaster, mortar etc.



Conforms EN 15814

General Data

Appearance: 1st component: Black-brown liquid; 2nd component: Grey powder
Shelf Life: 12 months when stored in original sealed packaging.
Solid Content Ratio: 69% ± 1
Packaging: Liquid: 22 kg, Powder: 8 kg
 Available in A+B component 30 kg plastic pails.

Application Data

Application Temperature: (+5°C) - (+35°C)
Application Thickness:
 - For moisture resistant insulation: min. 3 mm dry film thickness
 - For non-pressure water resistance: min. 3 mm dry film thickness
 - For pressure water resistance: min. 4 mm dry film thickness
Consumption: Approx. 1.0 - 1.5 kg / m² for each 1 mm thickness. (the consumption amounts are theoretical and it varies by the condition of application surface)
Mixing Ratio: 22 kg liquid / 8 kg powder
Pot Life: 2 - 4 hours
Tack-Free Drying Time: 6 hours
Waiting Time Between the Coats: 1 - 2 hours (depending on the weather conditions)
Complete Drying Time: 1 - 5 days
Ready to Use Time: 7 days (depending on the curing time)

Performance Data (23°C and 50% RH)

Density (mixture): 1.13 ± 0.01 gr/ml
Crack Bridging (EN 15812): Class CB2
Waterproofing Capacity: Class W1 (3 mm dry film thickness)
Resistance to Rain (EN 15816): Class R2 (8 hours)
Resistance to Water (EN 15817): Pass
Low Temperature Flexibility (EN 15813): Pass
High Temperature Dimensional Stability (EN 15818): Pass
Reaction to Fire (EN 13501-1): Class E



3452 İzopur P Polyurethane Primer for Absorbent Surfaces

One component, transparent polyurethane primer material for absorbent surfaces. It is used as primer material before İzopur application.

Fields of Application

- Priming of old and dusty surfaces.
- To increase the abrasion resistance of mineral based surfaces.
- Before İzopur application, priming of absorbent surfaces like wood, concrete, cement screed, cement based mortars etc.

General Data

Appearance: Transparent liquid
Shelf Life: 9 months when stored in the original packaging
Packaging: 5 kg tin pails.

Application Data

Tack Free Time (20°C, 50% BN): 2 - 3 hours
Set to Light Traffic: 12 hours
Final Curing Time (20°C, 50% BN): 7 days
Consumption: 200 - 250 g/m² in one coat, depending on porosity of the surface and application method.



3451 İzopur Polyurethane Waterproofing Material

One component, ready-to-use, polyurethane-based waterproofing material that has high elasticity and mechanical strength.

Fields of Application

- Waterproofing of roofs, balconies and terraces.
- Protection of polyurethane foam insulation.
- Waterproofing and protection of concrete constructions like bridge decks etc.

General Data

Appearance: Grey and White liquid
Shelf Life: 9 months when stored in the original packaging
Packaging: 25 kg tin pails.

Application Data

Application Temperature: (+10°C) - (+35°C)
Set to Light Traffic: 12-18 hours
Final Curing Time: 7 days
Rain Stability Time: 6-8 hours
Consumption: 1.0 - 1.2 kg/m² in a single layer, depending on porosity of the surface and application method.

Performance Data (23°C and 50% RH)

Density: 1.35-1.45 gr/ml
Elongation Break (ASTM D 412): 200% ± 50
Tensile Strength (ASTM D412): > 2.5 MPa
Resistance to Water Pressure (DIN 1928): No leak (1 m. water column, 24 hours)
Adhesion to Concrete (EN 1542): > 1.5 MPa
Hardness (Shore A Scale) (ASTM D2240) (15°): 70 ± 5
Crack Bridging (EN 1504-2) -23°C: ≥ 2.5 mm
Fire Class (DIN 4102-1): B2
Chemical Properties: Good resistance against acidic and alkali solutions (10%), detergents, seawater and oils.

Waterproofing Applications



3453 İzopur C Polyurethane Topcoat

One component, ready-to-use, UV-resistant, high elasticity and mechanical strength, polyurethane-based topcoat material.

Fields of Application

- On İzopur polyurethane based waterproofing membrane applied surfaces, like roofs, balconies, terraces etc.
- Protection of concrete constructions like bridges, etc.

General Data

Appearance: White and grey liquid
Shelf Life: 9 months when stored in the original packaging
Packaging: 5 kg tin pails.

Application Data

Application Temperature: (+10°C) - (+35°C)
Tack Free Time: 1 - 3 hours
Set to Light Traffic: 12 hours
Final Curing Time: 7 days
Consumption: 1.0 - 1.2 kg/m² in one coat, depending on porosity of the surface and application method.

Performance Data (23°C and 50% RH)

Density: 0.95 - 1.1 gr/ml
Elongation Break (ASTM D 412): ≥ 150%
Tensile Strength (ASTM D 412): ≥ 4 MPa
Adhesion to İzopur (ASTM D903): > 2 N/mm²
2000 hours Accelerated Aging Test Results (DIN EN ISO 4892-3, 400 MJ/m²)
Surface chalking: No chalking observed.



3455 İzopur Trans P Transparent Polyurethane Waterproofing System

One component, transparent and ready to use polyurethane based primer which enhances adherence for polyurethane waterproofing materials to be applied on glossy surfaces.

Fields of Application

- In preparation of glossy surfaces like glass and glazed ceramic tiles before İzopur Trans application.

General Data

Appearance: Transparent liquid
Shelf Life: 9 months when stored in the original packaging
Packaging: 1 kg tin pails.

Application Data

Application Temperature: (+10°C) - (+35°C)
Consumption: 30 - 60 g/m²



3454 İzopur Trans Polyurethane based, transparent Waterproofing Material

One component, transparent, ready-to-use, UV-resistant, polyurethane-based waterproofing material that has high elasticity and mechanical strength.

Fields of Application

- Waterproofing of balconies and terraces, coated with all kinds of materials.
- Waterproofing of ceramic, glass, glass brick, natural Stone, wood and bamboo surfaces without any change in appearance, thanks to its transparency.

General Data

Appearance: Yellow color transparent liquid
Shelf Life: 9 months when stored in the original packaging
Packaging: 10 kg tin pails.

Application Data

Application Temperature: (+10°C) - (+35°C)
Tack Free Time: 8 hours
Set to Light Traffic: 24-48 hours
Final Curing Time: 7 days
Consumption: 0.4 - 0.6 kg/m² in two or three coats, depending on porosity of the surface and application method.

Performance Data (23°C and 50% RH)

Elongation at Break (DIN EN ISO 527): 250%
Tensile Strength (DIN EN ISO 527): ≥ 5 N/mm²
Hardness (Shore D Scale) (ASTM D2240): 60
Water Vapor Permeability (EN ISO 12572): 6 g/m² (24 hours)
Resistance to Water Pressure (DIN EN 1928): No leak (1m. water column, 24 hour)
Adhesion to Absorbent Ceramic Tile (ASTM D 903 (ELCOMETRI): > 2.0 N/mm² (concrete surface failure)
Chemical Properties: Good resistance against acidic and alkali solutions (10%), detergents, seawater and oils.



3501 Kalekim Waterproofing Tape Waterproofing Tape

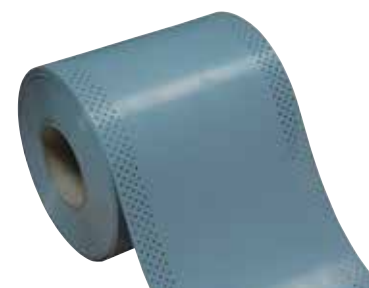
Thermoplastic elastomeric waterproofing tape with polyester knit fabric reinforcement for wall and base connections, expansion and construction joints.

Fields of Application

- Waterproofing of water depots, wet areas (bathroom, kitchen, wc).
- Waterproofing of terraces, balconies, parapets, roof finishings.
- Waterproofing of construction and expansion joints.

Technical Properties

General Data			
Type	I	II	III
Property	Polyester knit fabric reinforced	Polyester textile reinforced	Polyurethane membrane covered by polyester textile
Appearance	Grey	Grey	White
Width	120 mm / 70 mm	120 mm / 70 mm	120 mm / 70 mm
Thickness	0.54 mm	0.63 mm	0.44 mm
Packaging	10 and 50 m roll in a paper box.		
Application Data			
Burst Pressure	≥ 1.5 bar	≥ 1.5 bar	≥ 1.5 bar
Water Pressure Resistance	≥ 1.5 bar	≥ 1.5 bar	≥ 1.5 bar
Elongation at Break (long.)	18%	15%	10%
Elongation at Break (trans.)	90%	100%	120%
Temperature Resistance	(-30°C) - (+90°C)	(-30°C) - (+90°C)	(-30°C) - (+90°C)



3502 Kalekim Dilatation Tape Elastic Waterproofing Tape for Dilatation

Thermoplastic elastomeric dilatation tape for wall and base connections, expansion and construction joints.

Fields of Application

- Waterproofing of underground concrete elements like foundations, retaining walls, basement walls.
- Waterproofing of permanently wet areas like pools.
- Waterproofing of water depots, treatment plants, tunnels.
- Waterproofing of terraces, balconies, parapets, roof finishings.

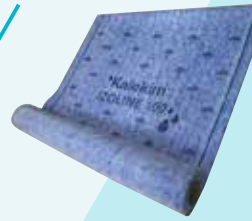
General Data

Appearance: Grey, perforated edges
Width: 200 mm
Thickness: 1.0 mm ± 0.1
Packaging: > 20 m roll in paper box.

Application Data

Shore A Hardness: -90
Burst Pressure: > 4.0 bar
Breaking Strength (lengthwise) (DIN EN 12311-2 Method B): > 15 N/mm²
Breaking Strength (widthwise) (DIN EN 12311-2 Method B): > 15 N/mm²
Elongation at Break (long.) (DIN EN 12311-2 Method B): > 600 %
Elongation at Break (trans.) (DIN EN 12311-2 Method B): > 650 %
Bond Strength (DIN EN 1348): > 4.5 Bar
Resistance to Water Pressure (DIN EN 1928-B-400 kPa/72 Std.): > 4 Bar
Resistance to UV (DIN EN ISO 4892-2): ≥ 6500 hour
Reaction to Fire: Class E
Temperature Resistance: (-30°C) - (+90°C)

Waterproofing Applications



İzoline 100 Under Tile Waterproofing Membrane

3-layer, super-elastic waterproofing membrane consisting of modified polyethylene film laminated in between polypropylene felt of high alkali resistance to be applied prior to the coating of materials, such as tile and natural stones, both in internal and external environments.

Fields of Application

- In areas subject to water such as bathrooms, showers and Turkish baths,
- In continuously wet areas such as pools and small water tanks,
- In terraces and balconies,
- On surfaces that are subject to activity (pedestrian, load traffic, expansion),
- In food at industry (milk, beer, wine, meat integrated facilities, slaughter houses, cafeterias and restaurants), in facilities that require chemical resistance such as the ones textile industry, hospitals, laboratories and pharmaceuticals industry,
- On plaster and cement based panels, and on concrete, plaster, screed surfaces.

General Data

Appearance: Polyethylene blue colored membrane with both sides coated in felt
Width: 1 meter
Thickness: ~ 0.5 mm
Roll Length: 30 meters
Shelf Life: 24 months in an unopened package in a dry environment.
Packaging: Polyethylene foil wrapped in a 30 m roll.

Application Data

Application Temperature: (+5°C) - (+35°C)
Temperature Resistance: (-30°C) - (+80°C)

Performance Data (23°C and 50% RH)

Water Impermeability: ≥ 1.5 bar (positive)
Explosion Pressure: > 2 bar
Tensile Strength - Lengthwise: 335 N/50 mm
Tensile Strength - Widthwise: 225 N/50 mm
Elongation at Rupture - Lengthwise: 87%
Elongation at Rupture - Widthwise: 133%
Adhesion Strength (EN 1348): > 0.5 N/mm² (with Technoflex)
Water Vapor Permeability (EN 1931): Sd > 50 m (Sd: Equivalent air layer thickness)
UV Resistance: > 450 hours
Dangerous Substances: See SDS.
Reaction to Fire: European Class Cs1d0



NEW

3503 İzoswell Hydrophilic Swelling Tape

Hydrophilic swell strip consisting of an acrylate based polymer swelling substance embedded in a butylene copolymer based thermoplastic elastomer.

Fields of Application

- Waterproofing around all sorts of lead-throughs and construction joints (stationary joints).
- Waterproofing of foundations and basement walls.
- Water and drinking water tanks.
- In swimming pools.
- Waterproofing joints between precast concrete elements.
- Used in steel and concrete pipes.

General Data

Appearance: White strip
Density: 1.256 ± 0.08 g/cm³
Shore A: 26 ± 2
Dimensions: 20 x 5 mm - 20 x 10 mm
Packaging:
 (20x5 mm): 9 rolls of 20 m per box (180 m / box)
 30 boxes (5400 m) per euro pallet
 (20x10 mm): 10 m / rolls - 9 rolls of 10 m per box (90 m / box)
 30 boxes (2700 m) per euro pallet

Performance Data

Volumetric % swelling (14 days later)
Deminerilised water
 20x5 mm: 1200% ± 100
 20x10 mm: 700% ± 100
Tap water
 20x5 mm: 1000% ± 100
 20x10 mm: 600% ± 100
Melting point: 110°C
Tensile strength (unswollen state) (EN ISO 527): ≥ 0.3 MPa
Elongation at rupture (unswollen state) (EN ISO 527): ≥ 300%
Resistant to permanent water: 2 bar (20 m)
Bursting pressure: 2.8 N/mm²



Performance is in its Chemistry!

Powerful, durable, long-lasting!

Tile Adhesives

Products

- Kalekim
- Kalekimbeyaz
- Kalekim Tozumaz
- Technoflex
- Granitech
- Profesyonel
- Profesyonel Flex
- Technoblock
- Ultratech
- Technomax 30
- Rapitech
- Technopool
- Technofull
- Technolight
- Supertech
- Epotech A
- Epotech W
- Technopur
- Kalekim Level Master

Tile Adhesives



1051 Kalekim Tile Adhesive (C1TE)

Cementitious ceramic tile adhesive with extended open time and reduced slip.

Fields of Application

- Floor and wall bonding of all types of ceramic tiles, mosaic and decorative bricks on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic.



EN 12004:2007+A1:2012, Class C1TE.
C: Cementitious
1: Standard
T: Reduced slip
E: Extended open time

General Data

Appearance: Grey powder
Shelf Life: 20 kg bags: 12 months 5 kg bags: 24 months when stored in the original sealed packing in a dry place.
Packaging: 5 kg polyethylene bag, 20 kg and 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 7 - 7.5 lt water / 25 kg powder, 1.4 - 1.5 lt water / 5 kg powder
Pot Life: 6 hours
Grouting: 8 hours on wall; 24 hours after on floor
Consumption: 3-5 kg/m²

Performance Data (23°C and 50% RH)

Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Initial: ≥ 0.5 N/mm²
After heat exposure: ≥ 0.5 N/mm²
After immersion in water: ≥ 0.5 N/mm²
After freeze/thaw cycles: ≥ 0.5 N/mm²
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A1



1053 Kalekim Tozumaz Dust-Free Tile Adhesive (C1TE)

Dust-free, cementitious, one component ceramic tile adhesive with extended open time and reduced slip.

Fields of Application

- Floor and wall bonding of all types of ceramic tiles, mosaic and decorative bricks on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic tiles.



EN 12004:2007+A1:2012, Class C1TE.
C: Cementitious
1: Standard
T: Reduced slip
E: Extended open time

General Data

Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 6.75-7.25 liters water / 25 kg powder
Pot Life: 6 hours
Grouting: 8 hours on wall; 24 hours after on floor
Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Initial (after 28 days): ≥ 0.5 N/mm²
After heat exposure: ≥ 0.5 N/mm²
After immersion in water: ≥ 0.5 N/mm²
After freeze/thaw cycles: ≥ 0.5 N/mm²
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A1



1052 Kalekimbeyaz Tile Adhesive (C1TE)

Cementitious ceramic tile adhesive with extended open time and reduced slip.

Fields of Application

- Floor and wall bonding of all types of ceramic tiles, mosaic and decorative bricks on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic.



EN 12004:2007+A1:2012, Class C1TE.
C: Cementitious
1: Standard
T: Reduced slip
E: Extended open time

General Data

Appearance: White powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 7 - 7.5 lt water / 25 kg powder
Pot Life: 6 hours
Grouting: 8 hours on wall; 24 hours after on floor
Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Initial: ≥ 0.5 N/mm²
After heat exposure: ≥ 0.5 N/mm²
After immersion in water: ≥ 0.5 N/mm²
After freeze/thaw cycles: ≥ 0.5 N/mm²
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A1



1054 Technoflex Deformable Tile Adhesive (C2TE S1)

High performance cementitious S1 class deformable tile adhesive with extended open time and reduced slip, for ceramic tiles and stones.

Fields of Application

- Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stone, marble, granite, porcelain ceramic, clinker, cotto on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic tile, granite.
- Bonding of tiles on painted walls and gypsum.
- Bonding of ceramic tiles in swimming pools, basins and any other wet places.
- Bonding of tiles on terraces and balconies.
- Bonding of tiles on places where sudden temperature changes occur like cold storage depots and underfloor heating systems.
- Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, schools.
- Approved for use with plywood.



EN 12004:2007+A1:2012, Class C2TE, S1.
C: Cementitious
2: Improved
T: Reduced slip
E: Extended Open Time
S1: Deformable

Genel Bilgiler

Appearance: Grey and White powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 20 kg and 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 6.5-7.0 lt water / 25 kg for grey powder
6.75-7.25 liters water / 25 kg for white powder
Pot Life: 6 hours
Grouting: 8 hours on wall; 24 hours after on floor
Set to Light Foot Traffic: 24 hours
Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm
Slip (ANSI A118.4 6.0): ≤ 0.02 in. (0.5 mm)
Open Time Tensile Adhesion Strength: After 30 minutes
Open Time (ANSI A118.4 5.3): After 30 minutes ≥ 75 psi (0.5 MPa)
Tensile Adhesion Strength:
Initial (after 28 days): ≥ 1 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 1 N/mm²
After freeze/thaw cycles: ≥ 1 N/mm²
Shear Strength, impervious ceramic (porcelain mosaics) (ANSI A118.4 7.2.5) (after 28 days): > 200 psi (1.38 MPa)
Shear Strength, glazed wall tile (ANSI A118.4 7.1.2) (after 7 days): > 300 psi (2.07 MPa)
Shear Strength, quarry tile (ANSI A118.4 7.3.2) (after 28 days): > 150 psi (1.05 MPa)
Shear Strength, quarry tile to plywood (ANSI A118.11.4.1.2) (after 28 days): > 150 psi (1.05 MPa)
Deformability: ≥ 2.5mm - S1 Deformable
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A2

Tile Adhesives



1055 Granitech Granite Tile Adhesive (C2TE)

High performance cementitious adhesive with extended open time and reduced slip.

Fields of Application

- Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, granite, porcelain ceramic, cotto, clinker on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic tiles or marble.
- Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, schools.



EN 12004:2007+A1:2012, Class C2TE.

C: Cementitious

2: Improved

T: Reduced slip

E: Extended Open Time

General Data

Appearance: Grey or white powder

Shelf Life: 12 months when stored in the original sealed packing in a dry place.

Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)

Mixing Ratio: 6.5-7 liters water / 25 kg for grey powder

7-7.5 liters water / 25 kg for white powder

Pot Life: 4 hours

Grouting: 8 hours on wall; 24 hours after on floor

Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm

Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²

Tensile Adhesion Strength (EN 12004-2):

Initial (after 28 days): ≥ 1 N/mm²

After heat exposure: ≥ 1 N/mm²

After immersion in water: ≥ 1 N/mm²

After freeze/thaw cycles: ≥ 1 N/mm²

Service Temperature Range (after final cure): (-40°C) - (+80°C)

Release Dangerous Substances: See SDS.

Reaction to Fire: A1



Profesyonel Flex Tile Adhesive (C2TE)

High performance cementitious adhesive with extended open time and reduced slip.

Fields of Application

- Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, granite, porcelain ceramic, cotto, clinker on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic tiles or marble.
- Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, schools.
- Bonding of small and medium sized tiles over underfloor heating installations, on walls of ovens, in cold storage depots where sudden temperature changes occur.



EN 12004:2007+A1:2012, Class C2TE

C: Cementitious

2: Improved adhesive

T: Reduced slip

E: Extended open time

General Data

Appearance: Grey or White powder

Shelf Life: 12 months when stored in the original sealed packing in a dry place.

Packaging: 20 and 25 kg multi-ply paper bags

Application Data

Application Temperature Range: (+5°C) - (+35°C)

Mixing Ratio: 6.5-7 lt water / 25 kg grey powder

7-8 lt water / 25 kg white powder

Pot Life: 6 hours

Grouting: 8 hours on wall; 24 hours after on floor

Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm

Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²

Tensile Adhesion Strength:

Initial (after 28 days): ≥ 1 N/mm²

After heat exposure: ≥ 1 N/mm²

After immersion in water: ≥ 1 N/mm²

After freeze/thaw cycles: ≥ 1 N/mm²

Service Temperature Range (after final cure): (-40°C) - (+80°C)

Release Dangerous Substances: See SDS.

Reaction to Fire: A1



1056 Profesyonel Granite Tile Adhesive (C2T)

High performance cementitious adhesive with reduced slip.

Fields of Application

- Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, granite, porcelain ceramic, cotto, clinker on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic tiles or marble.



EN 12004:2007+A1:2012, Class C2T.

C: Cementitious

2: Improved

T: Reduced slip

General Data

Appearance: Grey or white powder

Shelf Life: 12 months when stored in the original sealed packing in a dry place.

Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C) / (-10°C) - (+23°C) (Thanks to Wintertech)

Mixing Ratio: 6.5-7 liters water / 25 kg for grey powder

7-7.5 liters water / 25 kg for white powder

Pot Life: 6 hours

Grouting: 8 hours on wall; 24 hours after on floor

Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm

Open Time Tensile Adhesion Strength: After 20 minutes ≥ 0.5 N/mm²

Tensile Adhesion Strength:

Initial (after 28 days): ≥ 1 N/mm²

After heat exposure: ≥ 1 N/mm²

After immersion in water: ≥ 1 N/mm²

After freeze/thaw cycles: ≥ 1 N/mm²

Service Temperature Range (after final cure): (-40°C) - (+80°C)

Release Dangerous Substances: See SDS.

Reaction to Fire: A1



1058 Technoblock Aerated Concrete Adhesive

Cementitious masonry mortar for bonding high water absorbing construction elements like aerated concrete.

Fields of Application

- Bonding of aerated concrete and any other high water absorbing construction elements.



TS EN 998 - 2

General Data

Appearance: Grey or white powder

Shelf Life: 12 months when stored in the original sealed packing in a dry place.

Particle Size: Max. 1 mm

Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C) / (-10°C) - (+23°C) (Thanks to Wintertech)

Mixing Ratio: 7-7.75 lt water / 25 kg grey powder

7.75-8 lt water / 25 kg white powder

Workable Life (EN 1015-9): ≥ 5 hours

Correction Time: ≥ 6 min.

Performance Data (at 23°C and 50% RH)

Compressive Strength (EN 1015-11): > 5 N/mm² / M5

Air Content: < 20%

Bond Strength (EN 1052-3): ≥ 0.3 N/mm²

Water Absorption Coefficient (EN 1015-18): ≤ 0.40 kg/m² min^{0.5}

Water Vapor Permeability (EN 1745): 5/20 (Table Value)

Thermal Conductivity (EN 1745): 0.45 w/mk (Table Value)

Release Dangerous Substances (EN 12004-1): See SDS.

Reaction to Fire (EN 13501-1): A1

Tile Adhesives



1059 Ultratech Two Component, Extra Fast Setting, Highly Deformable Tile Adhesive (C2FTE S2)

Two component, high performance, flexible, fast setting cementitious adhesive with reduced slip and extended open time for ceramic tiles and stones.

Fields of Application

- Exterior bonding of large size ceramic tiles, stones, granite tiles, porcelain tiles, marble, etc.
- Ultratech allows grouting within 2-3 hours after application and rapid tiling of large size tiles in places which have to be ready for use within one day.
- Bonding of tiles on places which are subject to heavy traffic like shopping malls, hospitals, schools.
- Floor and wall bonding of large format and thin tiles (3-5 mm) like Kalesinterflex.
- Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stone, marble, granite, porcelain ceramic, clinker, cotto on cementitious renders, cementitious screeds and concrete.
- Exterior bonding of ceramic, granite or porcelain tiles with dimensions more than 40x40 cm up to 30 meters height and more than 60x60 cm up to 15 meters height.



Class C2FTE S2.
C: Cementitious
2: Improved
F: Fast Setting
T: Reduced Slip
E: Extended Open Time
S2: Highly Deformable

General Data

Appearance: 1st component: Grey powder, 2nd component: White liquid
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: Powder component: 25 kg multi-ply paper bags, Liquid component: 7.5 lt drums.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 7.5 lt liquid / 25 kg powder
Pot Life: 1 hours
Grouting: 2-3 hours
Consumption: 4.5 - 6.5 kg/m² (Combined Method)

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
After 3 hours: ≥ 0.5 N/mm²
Initial (after 28 days): ≥ 1 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 1 N/mm²
After freeze/thaw cycles: ≥ 1 N/mm²
Deformability: ≥ 5 mm - S2 Highly deformable
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: Bs1d0



1061 Rapitech Fast Setting Tile Adhesive (C2FT)

High performance, rapid setting and reduced slip cementitious adhesive for ceramic tiles and stones.

Fields of Application

- Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stones and decorative bricks on cementitious renders, cementitious screeds and concrete.
- Rapid tiling of places like public buildings, cafes, supermarkets, airports, that has to be ready for use within 1 day.
- Bonding of tiles on existing ceramic tiles.



EN 12004:2007+A1:2012, Class C2FT.
C: Cementitious 2: Improved
F: Fast Setting
T: Reduced slip

General Data

Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 6 - 7 liters water / 25 kg powder
Pot Life: 45 minutes
Set to Light Traffic: 6 hours
Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 10 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Early tensile adhesion strength: ≥ 0.5 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 1 N/mm²
After freeze/thaw cycles: ≥ 1 N/mm²
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A1



1060 Technomax 30 Two Component Highly Deformable Tile Adhesive (C2TE S2)

Two component, high performance, flexible, cementitious adhesive with reduced slip and extended open time for ceramic tiles and stones.

Fields of Application

- Exterior bonding of ceramic, granite or porcelain ceramics sized 40x40 cm up to 30 meters and 60x60 cm up to 15 meters height.
- Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stone, marble, granite, porcelain ceramic, clinker, cotto on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, schools.



Class C2TE S2.
C: Cementitious
2: Improved
T: Reduced Slip
E: Extended Open Time
S2: Highly Deformable

General Data

Appearance: 1st component: Grey powder, 2nd component: White liquid
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: Powder component: 25 kg multi-ply paper bags, Liquid component: 5.75 lt drums.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 5.75 liters liquid / 25 kg powder
Pot Life: 5 hours
Grouting: 8 hours on wall; 24 hours after on floor
Consumption: 4.5 - 6.5 kg/m² (Combined Method)

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Initial (after 28 days): ≥ 1 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 1 N/mm²
After freeze/thaw cycles: ≥ 1 N/mm²
Deformability: ≥ 5mm - S2 Highly deformable
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A2s1d0



1062 Technopool Tile Adhesive for Waterproofing Systems (C2TE S2)

High performance, flexible, water resistant cementitious adhesive with extended open time, reduced slip and contributes to waterproofing for ceramic tiles and stones.

Fields of Application

- Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stone, marble, granite, porcelain ceramic, clinker, cotto on cementitious renders, cementitious screeds and concrete.
- Bonding of all types and sizes of tiles and glass mosaics in swimming pools, Turkish baths, water tanks, basins and any other wet place.
- Bonding of ceramic tiles or granite on existing granite, ceramic, marble.
- Bonding of tiles on places where sudden temperature changes occur like cold storage depots and over floor heat installations.
- Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, schools



Class C2TE S2.
C: Cementitious
2: Improved
T: Reduced Slip
E: Extended Open Time
S2: Highly Deformable

General Data

Appearance: Grey or White powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 5.75 - 6.25 liters water / 25 kg grey powder
6.25 - 6.75 liters water / 25 kg white powder
Pot Life: 6 hours
Grouting: 8 hours on wall; 24 hours after on floor
Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Initial (after 28 days): ≥ 1 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 1 N/mm²
After freeze/thaw cycles: ≥ 1 N/mm²
Deformability (EN 12002): ≥ 5mm - S2 Highly deformable
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A2

Tile Adhesives



1066 Technofull Fast Setting Pourable Tile Adhesive (C2FE)

High performance full contact & fast setting, flexible, cementitious adhesive, with extended open time for large format ceramic tiles and stones.

Fields of Application

- Interior & exterior floor bonding of medium and large sizes of ceramic tiles, granite ceramic, porcelain ceramic, cotto, clinker, marble without the need of backbuttering.
- Bonding on floors over underfloor heating installations.
- Bonding on the floors of places subject to heavy traffic like shopping malls, hospitals, schools.
- Rapid tiling of places like public buildings, cafes, supermarkets, airports, that has to be ready for use within 1 day.



EN 12004:2007+A1:2012,
Class C2FE.
C: Cementitious 2: Improved
F: Fast Setting
E: Extended open time

General Data

Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 20 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 4.6 - 5 lt water / 20 kg powder
Pot Life: 1 hour
Set to Light Traffic: 6 hours
Consumption: 3 - 5 kg/m²

Performance Data (at 23°C and 50% RH)

Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Early tensile adhesion strength: After 6 hours > 0.5 N/mm²
Initial (after 28 days): ≥ 1 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 1 N/mm²
After freeze/thaw cycles: ≥ 1 N/mm²
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A1



1230 Supertech Ready to Use Tile Adhesive (D2TE)

Ready to use high performance emulsion polymer based tile adhesive with extended open time and no vertical slip for ceramic tiles and stones.

Fields of Application

- Easy and clean application for interior wall and floor bonding of all types and sizes of ceramic tiles even on deformable surfaces.
- Bonding of tiles on gypsum panels and painted walls.
- Interior bonding of insulating and decorative ceiling materials.



EN 12004:2007+A1:2012,
Class D2TE.
D: Dispersion based
2: Improved
T: Reduced Slip
E: Extended Open Time

General Data

Appearance: White paste
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 1 kg, 5 kg, 15 kg and 30 kg pail.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Grouting: 24 - 48 hours
Consumption: 3 - 5 kg/m²

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Shear Adhesion Strength:
Initial (after 28 days): ≥ 1 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 0.5 N/mm²
At elevated temperatures: ≥ 1 N/mm²
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: Bs1d0



1069 Technolight Lightweight, Highly Deformable Tile Adhesive (C2TE S2)

High performance, flexible, lightweight, cementitious tile adhesive including rubber and nano-technological additives with extended open time and reduced slip.

Fields of Application

- Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stone, marble, granite, porcelain ceramic, clinker, cotto on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic tile, granite.
- Bonding of tiles on painted walls and gypsum.
- Bonding of ceramic tiles in swimming pools, basins and any other wet places.
- Bonding of tiles on terraces and balconies.
- Bonding of tiles on places where sudden temperature changes occur like cold storage depots, on walls of ovens and over underfloor heating installations.
- Bonding of tiles on places that are subject to heavy traffic like shopping malls, hospitals, schools.



EN 12004:2007+A1:2012,
Class C2TE, S2.
C: Cementitious
2: Improved
T: Reduced Slip
E: Extended open time
S2: Highly Deformable

General Data

Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 15 kg multi-ply paper bags with handles.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 6 - 6.5 lt water/15 kg powder
Pot Life: 6 hours
Grouting: 8 hours on wall; 24 hours after on floor
Consumption: 1.5 - 2.5 kg/m²

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Initial (after 28 days): ≥ 1 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 1 N/mm²
After freeze/thaw cycles: ≥ 1 N/mm²
Deformability: ≥ 5 mm - S2 Highly deformable
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: Bs1d0



1301 Epotech A Epoxy Adhesive (R2T)

Three-component, solvent-free, epoxy-resin-based, chemical resistant waterproofing adhesive.

Fields of Application

- Interior and exterior floor and wall bonding of surface coating materials such as Antiasit porcelain tiles, granite, marble etc.
- In industrial places where mechanical strength is required.
- Bonding of metal profiles on concrete.
- Bonding of concrete, stone, metal, wood, PVC pieces on each other and in between.



EN 12004:2007+A1:2012,
Class R2T.
R: Resin based
2: Improved
T: Reduced Slip

General Data

Appearance: Component A: White paste
Component B: Green transparent liquid
Component C: Yellow powder

Shelf Life (Component A / B / C): 12 months when stored in the original sealed packing in a dry place.

Packaging: In 5 kg units and plastic pails (3 component);
Component A: 2.500 kg, Component B: 0.250 kg, Component C: 2.250 kg

Application Data

Application Temperature Range: (+10°C) - (+27°C)
Pot Life: 60 minutes at 23°C
Period of Grout Filling: 12 - 48 hours (Depending on the temperature)
Ready for Use (Max. Chemical Resistance): 7 days
Set to Foot Traffic: 24 hours
Consumption: 3 - 4 kg/m²

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≤ 0.5 N/mm²
Shear Adhesion Strength:
Initial: ≥ 15 N/mm²
After immersion in water: ≥ 15 N/mm²
After thermal shock: ≥ 10 N/mm²
Density: 2.00 kg/lt
Service Temperature Range (after final cure): (-20°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: Bs1d0

Tile Adhesives



1302 Epotech W Epoxy Based Adhesive (R2T)

Three-component, solvent-free, epoxy-resin-based, chemical resistant waterproofing adhesive.

Fields of Application

- Bonding of Kalekim Dilatation Tape.
- Bonding of metal profiles on concrete.
- Bonding of concrete, stone, metal, wood.
- Bonding of floor and wall tiles, granite and marble plates.



EN 12004:2007+A1:2012,
Class R2T.
R: Resin based
2: Improved
T: Reduced Slip

General Data

Appearance: Component A: White paste
Component B: Green transparent liquid
Component C: Whitish powder
Shelf Life (Component A / B / C): 12 months when stored in the original sealed packing in a dry place.
Packaging: In 5 kg units and plastic pails (3 component); Component A: 4.000 kg, Component B: 0.375 kg, Component C: 0.625 kg

Application Data

Application Temperature Range: (+10°C) - (+27°C)
Pot Life: 60 minutes at 25°C
Period of Grout Filling: 12 - 48 hours (Depending on the temperature)
Ready for Use (Max. Chemical Resistance): 7 days
Set to Foot Traffic: 24 hours
Consumption: 3 - 4 kg/m² (As an adhesive)
1.0 - 1.5 kg/m² (For bonding of waterproofing tape; Kalekim Dilatation Tape)

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≤ 0.5 N/mm²
Shear Adhesion Strength:
Initial: ≥ 15 N/mm²
After immersion in water: ≥ 15 N/mm²
After Thermal Shock: ≥ 10 N/mm²
Flexural Strength: ≥ 30 N/mm²
Compressive Strength: ≥ 45 N/mm²
Density: 1.80 g/cm³
Service Temperature Range (after final cure): (-20°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: Bs2d0



Kalekim Level Master Tile Levelling System

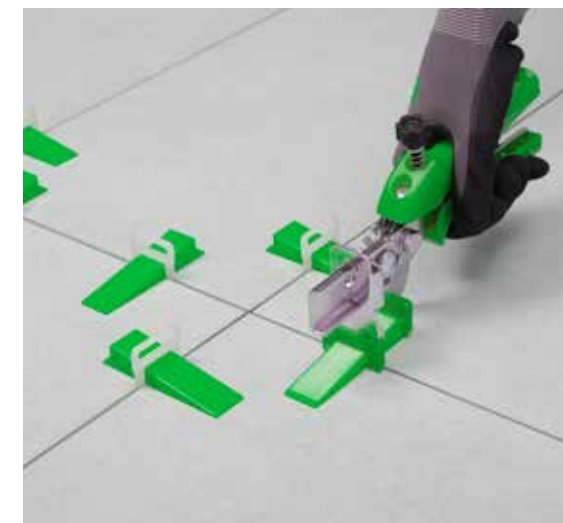
Tile levelling system consists of wedge, clips and pliers to prevent the levelling errors that may occur during installation of coating materials such as ceramic, granite, porcelain ceramic tiles, etc. and to ensure that the tiles are fixed and are at the same level until setting of adhesive mortar is completed.

Fields of Application

- Used for levelling of wall and floor tiles.
- Suitable for use with different sizes of joint gaps.
- It is an essential element for large format and heavy tile installation works.
- Provides practical and fast solution by shortening the application time.
- Avoids mistakes which may occur during tile installation process due to deformations on substrate, helps equaling level differences and provides smooth finish.

Packaging

- Wedge: 100 pieces / polyethylene bag
250 pieces / polyethylene bag
- Clips: 250 pieces / polyethylene bag
- Pliers: 1 piece / polyethylene bag



1411 Technopur Solvent-free Polyurethane Adhesive (R2T)

Two component, solvent-free polyurethane based multi-purpose adhesive.

Fields of Application

- Bonding of ceramic, granite ceramic, on concrete, metal, fiber-cement, wood, plasterboard surfaces.
- Bonding of parquet.
- Bonding on floors over underfloor heating installations.
- Bonding of thin tiles (Kalesinterflex) reinforced with fiber mesh.
- Bonding of Kalekim Dilatation Tape.



EN 12004:2007+A1:2012,
Class R2T.
R: Resin based
2: Improved
T: Reduced Slip

General Data

Color: Component A: Light yellow. Component B: Dark brown.
Shelf Life: 12 months when stored in the original sealed packing in dry.
Packaging: 7 kg pail (2 component).

Application Data

Mixing Ratio: Component A: 6.25 kg Component B: 0.75 kg
Pot Life: 35 - 50 minutes
Grouting: After 3 - 4 hours
Setting Time: 80% hardening in 24 hours
100% hardening in 1 week
Consumption: ~ 1.5 kg/m² (4 x 4 x 4 mm notched trowel)

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Shear Adhesion Strength:
Initial: ≥ 2 N/mm²
After immersion in water: ≥ 2 N/mm²
After thermal shock: ≥ 2 N/mm²
Service Temperature Range (after final cure): (-30°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: Cs2d1

Adhesive Selection Chart

INTERIOR					INTERIOR							
Wall	Ceramic Tile, Glass Mosaic				Porcelain Tile,		Clinker		Natural Stone, Marble, Granite, Cotto			
	≤ 1600 cm ²	≤ 2000 cm ²	≤ 3600 cm ²	≥ 3600 cm ² ≤ 5000 cm ²	≤ 1600 cm ²	≤ 2000 cm ²	≤ 3600 cm ²	≥ 3600 cm ² ≤ 5000 cm ²	≤ 1600 cm ²	≤ 2000 cm ²	≤ 3600 cm ²	≥ 3600 cm ² ≤ 5000 cm ²
Cementitious Render / Concrete	Kalekim, Kalekimbeyaz, Kalekimtozumaz, / Supertech	Profesyonel, Rapitech*, Granitech, Profesyonel Flex	Rapitech*, Granitech, Technoflex, Profesyonel Flex	Technoflex, Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech A, Epotech W	Supertech / Profesyonel	Rapitech*, Granitech, Technoflex, Profesyonel Flex	Rapitech*, Granitech, Technoflex, Profesyonel Flex	Technoflex, Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech W	Profesyonel / Supertech	Rapitech*, Granitech, Technoflex		Technoflex, Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech W
Gypsum Plaster / Gypsum Board (*)	Supertech / Technoflex		Technoflex, Technopool, Technolight, Ultratech*, Technomax 30	Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech A, Epotech W	Supertech	Technoflex	Technoflex, Technopool, Technolight, Ultratech*, Technomax 30	Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech W	Supertech	Technoflex	Technoflex, Technopool, Technolight, Ultratech*, Technomax 30, Profesyonel Flex	Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech W
Existing Ceramic (**)	Kalekim, Kalekimbeyaz, Kalekimtozumaz, Profesyonel	Rapitech*, Granitech, Technoflex, Profesyonel Flex	Technoflex, Technopool, Technolight, Ultratech*, Technomax 30	Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech A, Epotech W	Profesyonel	Rapitech*, Granitech, Technoflex, Profesyonel Flex	Technoflex, Technopool, Technolight, Ultratech*, Technomax 30	Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech W	Rapitech*, Granitech, Technoflex, Profesyonel Flex		Technoflex, Technopool, Technolight, Ultratech*, Technomax 30	Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech W
Water Based Painted Surfaces	Supertech / Kalekim, Kalekimbeyaz, Kalekimtozumaz, Profesyonel	Rapitech*, Granitech, Technoflex, Profesyonel Flex	Technoflex, Technopool, Technolight, Ultratech*, Technomax 30	Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech A, Epotech W	Rapitech*, Granitech, Technoflex, Profesyonel Flex		Technoflex, Technopool, Technolight, Ultratech*, Technomax 30	Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech W	Rapitech*, Granitech, Technoflex, Profesyonel Flex		Technoflex, Technopool, Technolight, Ultratech*, Technomax 30	Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech W
Surfaces Waterproofed with (izolatex Plus / İzolatex UV / Elastikor)	Rapitech*, Granitech, Technoflex, Profesyonel Flex		Technoflex, Technopool, Technolight, Ultratech*, Technomax 30,	Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech A, Epotech W	Technoflex		Technoflex, Technopool, Technolight, Ultratech*, Technomax 30	Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech W	Technoflex		Technoflex, Technopool, Technolight, Ultratech*, Technomax 30	Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech W
Wood, Metal, Glass Surfaces or Cement-fibre Panels	Technopur, Epotech A, Epotech W		Technopur		Technopur, Epotech W		Technopur		Technopur, Epotech W		Technopur	

Floor	Ceramic Tile, Glass Mosaic				Porcelain Tile,		Clinker		Natural Stone, Marble, Granite			
	≤ 1600 cm ²	≤ 2000 cm ²	≤ 3600 cm ²	≥ 3600 cm ² ≤ 5000 cm ²	≤ 1600 cm ²	≤ 2000 cm ²	≤ 3600 cm ²	≥ 3600 cm ² ≤ 5000 cm ²	≤ 1600 cm ²	≤ 2000 cm ²	≤ 3600 cm ²	≥ 3600 cm ² ≤ 5000 cm ²
Cementitious Screed / Concrete	Supertech / Kalekim, Kalekimbeyaz, Kalekimtozumaz, Profesyonel		Profesyonel, Rapitech*, Granitech, Technoflex, Profesyonel Flex	Technoflex*, Technoflex, Technopool, Technolight	Supertech / Profesyonel	Profesyonel, Rapitech*, Granitech, Profesyonel Flex	Rapitech*, Granitech, Technoflex*, Profesyonel Flex	Technoflex, Technopool, Technolight, Ultratech*, Technomax 30	Supertech / Profesyonel, Rapitech*, Granitech, Profesyonel Flex	Profesyonel, Rapitech*, Granitech, Profesyonel Flex	Technoflex, Technoflex*	Technoflex, Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech W
Underfloor Heating Surfaces	Technoflex, Technoflex*, Technopur		Technoflex, Technopool, Technolight, Ultratech*, Technomax 30, Technopur	Technopool, Technolight, Ultratech*, Technomax 30, Technopur	Technoflex, Technoflex*, Technopur		Technoflex, Technopool, Technolight, Ultratech*, Technomax 30, Technopur	Technopool, Technolight, Ultratech*, Technomax 30, Technopur	Technoflex, Technoflex*, Technopur		Technoflex, Technopool, Technolight, Ultratech*, Technomax 30, Technopur	Technopool, Technolight, Ultratech*, Technomax 30, Technopur
Existing Ceramic (**)	Profesyonel	Profesyonel, Granitech, Technoflex, Technoflex*, Profesyonel Flex	Technoflex, Technopool, Technolight, Ultratech*, Technomax 30	Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech W	Profesyonel	Profesyonel, Granitech, Technoflex, Technoflex*, Profesyonel Flex	Technoflex, Technopool, Technolight, Ultratech*, Technomax 30	Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech W	Profesyonel	Profesyonel, Granitech, Technoflex, Technoflex*, Profesyonel Flex	Technoflex, Technopool, Technolight, Ultratech*, Technomax 30	Technopool, Technolight, Ultratech*, Technomax 30, Technopur, Epotech W
Wood or Metal Surfaces	Technopur, Epotech W		Technopur		Technopur, Epotech W		Technopur		Technopur, Epotech W		Technopur	
Existing PVC, Rubber or Linoleum Floors	Technopur, Epotech W		Technopur		Technopur, Epotech W		Technopur		Technopur, Epotech W		Technopur	
Bitumen Coating Surfaces	Technopur, Epotech W		Technopur		Technopur, Epotech W		Technopur		Technopur, Epotech W		Technopur	

For further information about application of coating materials one edge length longer than 100 cm and wall application of higher than 6 meters, please contact Kalekim Technical Office from info@kalekim.com

(*) Kalekim Astar should be used as primer for the surface preparation, before the application of cementitious products.

(**) Kalekim Dolgu Astar should be used as primer for the surface preparation, before the application of cementitious products.

*Fast curing adhesives, can be used in places that must be open to traffic in 1 day.

— Cement based adhesives
 — Dispersion based adhesives
 — Reaction resin based adhesives

Adhesive Selection Chart

EXTERIOR					EXTERIOR							
Wall	Ceramic Tile, Glass Mosaic				Porcelain Tile,		Clinker		Natural Stone, Marble, Granite			
	≤ 1600 cm ²	≤ 2000 cm ²	≤ 3600 cm ²	≥ 3600 cm ² ≤ 5000 cm ²	≤ 1600 cm ²	≤ 2000 cm ²	≤ 3600 cm ²	≥ 3600 cm ² ≤ 5000 cm ²	≤ 1600 cm ²	≤ 2000 cm ²	≤ 3600 cm ²	≥ 3600 cm ² ≤ 5000 cm ²
Cementitious Render / Concrete	Kaleimbeyaz, (Only at glass mosaic applications) / Profesyonel, Granitech, Profesyonel Flex	Technoflex , Technopool, Technolight, Ultratech* , Technomax 30	Technopool, Technolight, Ultratech* , Technomax 30, Technopur, Epotech W	Technopool, Technolight, Ultratech* , Technomax 30, Technopur, Epotech W	Granitech, Rapitech* , Technoflex, Profesyonel Flex	Technoflex , Technopool, Technolight, Ultratech* , Technomax 30	Technopool, Technolight, Ultratech* , Technomax 30, Technopur, Epotech W		Technoflex	Technoflex , Technopool, Technolight, Ultratech* , Technomax 30	Technopool, Technolight, Ultratech* , Technomax 30, Technopur, Epotech W	
Existing Ceramic (**)	Technoflex	Technopool, Technolight, Ultratech* , Technomax 30, Technopur, Epotech W			Technoflex	Technopool, Technolight, Ultratech* , Technomax 30, Technopur, Epotech W	Technopool, Technolight, Ultratech* , Technomax 30, Technopur, Epotech W		Technoflex	Technopool, Technolight, Ultratech* , Technomax 30, Technopur, Epotech W		
Water Based Painted Surfaces	Technoflex	Technopool, Technolight, Ultratech* , Technomax 30, Technopur, Epotech W			Technoflex	Technopool, Technolight, Ultratech* , Technomax 30, Technopur, Epotech W	Technopool, Technolight, Ultratech* , Technomax 30, Technopur, Epotech W		Technoflex	Technopool, Technolight, Ultratech* , Technomax 30, Technopur, Epotech W		
Thermal Insulation System	Ultratech* , Technomax 30, Technopur			Technopur	Ultratech* , Technomax 30, Technopur		Ultratech* , Technomax 30, Technopur	Technopur	Ultratech* , Technomax 30, Technopur			Technopur
Metal Surfaces	Technopur , Epotech W		Technopur		Technopur , Epotech W		Technopur		Technopur , Epotech W		Technopur	

Floor	Ceramic Tile, Glass Mosaic				Porcelain Tile,		Clinker		Natural Stone, Marble, Granite			
	≤ 1600 cm ²	≤ 2000 cm ²	≤ 3600 cm ²	≥ 3600 cm ² ≤ 5000 cm ²	≤ 1600 cm ²	≤ 2000 cm ²	≤ 3600 cm ²	≥ 3600 cm ² ≤ 5000 cm ²	≤ 1600 cm ²	≤ 2000 cm ²	≤ 3600 cm ²	≥ 3600 cm ² ≤ 5000 cm ²
Cementitious Screed / Concrete	Profesyonel, Granitech, Rapitech* , Profesyonel Flex	Profesyonel, Granitech, Rapitech* , Technofull* , Technoflex, Profesyonel Flex	Technopool, Technolight, Technoflex	Technopool, Technolight, Ultratech* , Technomax 30, Technopur	Profesyonel, Granitech, Rapitech* , Profesyonel Flex	Profesyonel, Granitech, Rapitech* , Technofull* , Technoflex, Profesyonel Flex	Technopool, Technolight, Technoflex	Technopool, Technolight, Ultratech* , Technomax 30, Technopur	Profesyonel, Granitech, Rapitech* , Profesyonel Flex	Profesyonel, Granitech, Rapitech* , Technofull* , Technoflex, Profesyonel Flex	Technopool, Technolight, Technoflex	Technopool, Technolight, Ultratech* , Technomax 30, Technopur
Existing Ceramic (**)	Profesyonel, Granitech, Profesyonel Flex	Technoflex, Technofull*	Technoflex, Technopool, Technolight, Ultratech* , Technomax 30, Technopur	Technopool, Technolight, Ultratech* , Technomax 30, Technopur	Profesyonel, Granitech, Profesyonel Flex	Technoflex, Technofull*	Technoflex, Technopool, Technolight, Ultratech* , Technomax 30, Technopur	Technopool, Technolight, Ultratech* , Technomax 30, Technopur	Profesyonel, Granitech, Profesyonel Flex	Technoflex, Technofull*	Technoflex, Technopool, Technolight, Ultratech* , Technomax 30, Technopur	Technopool, Technolight, Ultratech* , Technomax 30, Technopur
Bitumen Coating Surfaces	Technopur , Epotech W		Technopur		Technopur , Epotech W		Technopur		Technopur , Epotech W		Technopur	

For further information about application of coating materials one edge length longer than 100 cm and wall application of higher than 6 meters, please contact Kalekim Technical Office from info@kalekim.com

(*) Kalekim Astar should be used as primer for the surface preparation, before the application of cementitious products.

(**) Kalekim Dolgulu Astar should be used as primer for the surface preparation, before the application of cementitious products.

*Fast curing adhesives, can be used in places that must be open to traffic in 1 day.

— Cement based adhesives
— Dispersion based adhesives
— Reaction resin based adhesives

Adhesive Selection Chart for Large Sized and Thin Tiles

	INTERIOR	With Glass Fiber Reinforcing Mesh	
		< 5000 cm ² (the longer side must be no more than 100 cm)	> 5000 cm ²
Wall	Cementitious Render	Ultratech*, Technopur, Epotech W	Ultratech*, Technopur
	Concrete	Ultratech*, Technopur, Epotech W	Ultratech*, Technopur
	Gypsum Plaster / Gypsum Board (*)	Ultratech* (After it is primed with Kalekim Dolgulu Astar.), Technopur, Epotech W	Technopur
	Existing Ceramic	Ultratech*, Technopur, Epotech W	Ultratech*, Technopur
	Wood Surfaces	Technopur	
Floor	Cementitious Screed	Ultratech*, Technopur, Epotech W	Ultratech*, Technopur
	Existing Ceramic	Ultratech*, Technopur, Epotech W	Ultratech*, Technopur
	Underfloor Heating Surfaces	Ultratech*, Technopur, Epotech W	Ultratech*, Technopur

	EXTERIOR	With Glass Fiber Reinforcing Mesh	
		< 5000 cm ² (the longer side must be no more than 100 cm)	> 5000 cm ²
Wall	Cementitious Render	Ultratech*, Technopur, Epotech W	Technopur
	Concrete	Ultratech*, Technopur, Epotech W	Technopur
	Existing Ceramic	Ultratech*, Technopur, Epotech W	Technopur
	Metal Construction	Technobond	
Floor	Cementitious Screed	Ultratech*, Technopur, Epotech W	Ultratech*, Technopur
	Existing Ceramic	Ultratech*, Technopur, Epotech W	Ultratech*, Technopur

Without Glass Fiber Reinforcing Mesh	
< 5000 cm ² (the longer side must be no more than 100 cm)	> 5000 cm ²
Technoflex, Technopool, Technomax 30, Ultratech*, Technolight, Technopur, Epotech W	Technopool, Technomax 30, Ultratech*, Technolight, Technopur
Technoflex, Technopool, Technomax 30, Ultratech*, Technolight, Technopur, Epotech W	Technopool, Technomax 30, Ultratech*, Technolight, Technopur
Ultratech* (After it is primed with Kalekim Dolgulu Astar), Technopur, Epotech W	Technopur
Technoflex, Technopool, Technomax 30, Ultratech*, Technolight, Technopur, Epotech W	Technopool, Technomax 30, Ultratech*, Technolight, Technopur
Technopur	
Technofull*, Technoflex, Technopool, Technomax 30, Ultratech*, Technolight, Technopur, Epotech W	Technopool, Technomax 30, Ultratech*, Technolight, Technopur
Technofull*, Technoflex, Technopool, Technomax 30, Ultratech*, Technolight, Technopur, Epotech W	Technopool, Technomax 30, Ultratech*, Technolight, Technopur
Technofull*, Technoflex, Technopool, Technomax 30, Ultratech*, Technolight, Technopur, Epotech W	Technopool, Technomax 30, Ultratech*, Technolight, Technopur

Without Glass Fiber Reinforcing Mesh	
< 5000 cm ² (the longer side must be no more than 100 cm)	> 5000 cm ²
Technopool, Technomax 30, Ultratech*, Technolight, Technopur	Technopur
Technopool, Technomax 30, Ultratech*, Technolight, Technopur	Technopur
Technopool, Technomax 30, Ultratech*, Technolight, Technopur	Technopur
Technobond	
Technopool, Technomax 30, Ultratech*, Technolight, Technopur	Technopur
Technopool, Technomax 30, Ultratech*, Technolight, Technopur	Technopur

Colour is in its Chemistry!

Resilient, elegant, hygienic!

Grouts



Products

- Fuga
- Ultrafuga
- Fugaflex (1-6 mm)
- Ultrafuga Flex
- Fugaflex (6-20 mm)
- Fugaflex Rapid
- Fugatech
- Fugapool
- Epotech +
- Epotech G
- Fugasim

Grouts



2000 Fuga Grouting Mortar (1-6 mm)

Cement based grout for 1 to 6 mm joints.

Fields of Application

- Interior floor and wall grouting of ceramic tiles, marble, natural stones, glass mosaics, for 1-6 mm joints.



TS EN 13888, Class CG2A
C: Cementitious
G: Grout
2: Improved
A: High abrasion resistance



2200 Ultrafuga Silicone Enhanced Grouting Mortar (1-6 mm)

High performance (high resistance to abrasion and reduced water absorption), cementitious, silicone enhanced grout for 1 to 6 mm joints.

Fields of Application

- Grouting of all types and sizes of ceramics (clinker, cotto, porcelain, granite tile, etc.), glass mosaic, natural stones for 1-6 mm joints.
- Interior floor and wall grouting wet areas like bathrooms, showers, easily get dirty like the kitchen.



TS EN 13888, Class CG2WA
C: Cementitious
G: Grout
2: Improved
W: Reduced water absorption
A: High abrasion resistance



2300 Fugaflex Flexible Grouting Mortar (1-6 mm)

High performance (high resistance to abrasion and reduced water absorption), cementitious flexible grout for 1 to 6 mm joints.

Fields of Application

- Grouting of all types and sizes of ceramic tiles, granite, cotto, clinker, glass mosaics, marble, natural stones with 1-6 mm joints at interior and exterior floors, and walls.
- Grouting wet places like swimming pools, water tanks.
- Grouting places where sudden temperature changes and heavy traffic exist like facades, terraces, over floor heating installations, warehouses.



TS EN 13888, Class CG2WA
C: Cementitious
G: Grout
2: Improved
W: Reduced water absorption
A: High abrasion resistance

General Data

Appearance: White and coloured powder
Shelf Life: 20 kg bags: 12 months. 1 kg, 2 kg and 5 kg bags: 24 months when stored in the original sealed packing in a dry place.
Packaging: 1 kg, 2 kg and 5 kg polyethylene bags, 20 kg multi-ply paper bags.

Application Data

Mixing Ratio: 6 - 6.4 lt water / 20 kg powder / 1.50 - 1.6 lt water / 5 kg powder.
0.6 - 0.64 lt water / 2 kg powder / 0.30 - 0.32 lt water / 1 kg powder.
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 1 hour
Set to Light Traffic: 1 day
Consumption: See consumption table depending on width of the joints and dimensions of the tile.

Performance Data (at 23°C and 50% RH)

Flexural Strength (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (EN 12808-3): ≥ 15 N/mm²
Flexural Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 15 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 1000 mm³
Shrinkage (EN-12808-4): ≤ 3 mm/m
Water Absorption after 30 min / 4 hours (EN 12808-5): ≤ 5 g. / ≤ 10 g.
Service Temperature Range (after final cure): (-30°C) - (+80°C)

General Data

Appearance: White and coloured powder
Shelf Life: 20 kg bags: 12 months. 5 kg bags: 24 months when stored in the original sealed packing in a dry place.
Packaging: 5 kg polyethylene bags, 20 kg multi-ply paper bags.

Application Data

Mixing Ratio: 6 - 6.4 lt water / 20 kg powder / 1.50 - 1.6 lt water / 5 kg powder.
0.6 - 0.64 lt water / 2 kg powder / 0.30 - 0.32 lt water / 1 kg powder.
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 1 hour
Set to Light Traffic: 1 day
Consumption: See consumption table depending on width of the joints and dimensions of the tile.

Performance Data (at 23°C and 50% RH)

Flexural Strength (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (EN 12808-3): ≥ 15 N/mm²
Flexural Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 15 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 1000 mm³
Shrinkage (EN-12808-4): ≤ 3 mm/m
Water Absorption after 30 min / 4 hours (EN 12808-5): ≤ 2 g. / ≤ 5 g.
Service Temperature Range (after final cure): (-30°C) - (+80°C)

General Data

Appearance: White and coloured powder
Shelf Life: 20 kg bags: 12 months. 1 kg, 5 kg bags: 24 months when stored in the original sealed packing in a dry place.
Packaging: 1 kg and 5 kg polyethylene bags, 20 kg multi-ply paper bags.

Application Data

Mixing Ratio: 5.8 - 6.4 liters water / 20 kg powder. 1.45 - 1.6 liters water / 5 kg powder.
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 1 hour
Set to Light Traffic: 1 day
Consumption: See consumption table depending on width of the joints and dimensions of the tile.

Performance Data (at 23°C and 50% RH)

Flexural Strength (after 28 days) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after 28 days) (EN 12808-3): ≥ 15 N/mm²
Flexural Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 15 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 1000 mm³
Shrinkage (EN-12808-4): ≤ 3 mm/m
Water Absorption after 30 min / 4 hours (EN 12808-5): ≤ 2 g. / ≤ 5 g.
Service Temperature Range (after final cure): (-30°C) - (+80°C)



2500 Ultrafuga Flex Silicone Enhanced Flexible Grouting Mortar (2-20 mm)

High performance (high resistance to abrasion and reduced water absorption), cementitious, silicone enhanced, grout for 2 to 20 mm joints.

Fields of Application

- Grouting of all types and sizes of ceramic tiles, granite, cotto, clinker, glass mosaics, marble, natural stones with 6-20 mm joints at interior and exterior floors, and walls.
- Grouting wet places like swimming pools, water tanks.
- Grouting places where sudden temperature changes and heavy traffic exist like facades, terraces, over floor heating installations, warehouses.
- Floor and wall grouting of places like bathrooms, showers, balconies and kitchens.



TS EN 13888, Class CG2WA.
C: Cementitious
G: Grout
2: Improved
W: Reduced water absorption
A: High abrasion resistance

Ege University Engineering Faculty, Chemical Engineering Laboratory
Approval Report according to BS 6920 (suitable for use in contact with water intended for human consumption)



2600 Fugaflex Flexible, Rustic Grouting Mortar (6-20 mm)

High performance (high resistance to abrasion and reduced water absorption), cementitious flexible grout for 6 to 20 mm joints.

Fields of Application

- Grouting of all types and sizes of ceramic tiles, granite, cotto, clinker, glass mosaics, marble, natural stones with 6-20 mm joints at interior and exterior floors, and walls.
- Grouting wet places like swimming pools, water tanks.
- Grouting places where sudden temperature changes and heavy traffic exist like facades, terraces, underfloor heating systems, warehouses.



TS EN 13888, Class CG2WA.
C: Cementitious
G: Grout
2: Improved
W: Reduced water absorption
A: High abrasion resistance

Hacettepe University Doping Control Center Approval Report according to BS 6920 (suitable for use in contact with water intended for human consumption)

General Data

Appearance: White and coloured powder
Shelf Life: 20 kg bags: 12 months. 5 kg bags: 24 months when stored in the original sealed packing in a dry place.
Packaging: 5 kg polyethylene bags, 20 kg multi-ply paper bags.

Application Data

Mixing Ratio: 5.8 - 6.2lt water / 20 kg powder; 1.45 - 1.55 lt water / 5 kg powder
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 30 minutes
Set to Light Traffic: 1 day
Consumption: See consumption table depending on width of the joints and dimensions of the tile.

Performance Data (at 23°C and 50% RH)

Flexural Strength (after 28 days) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after 28 days) (EN 12808-3): ≥ 15 N/mm²
Flexural Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 15 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 1000 mm³
Shrinkage (EN-12808-4): ≤ 3 mm/m
Water Absorption after 30 min / 4 hours (EN 12808-5): ≤ 2 g. / ≤ 5 g.
Service Temperature Range (after final cure): (-30°C) - (+80°C)

General Data

Appearance: White and coloured powder
Shelf Life: 20 kg bags: 12 months. 5 kg bags: 24 months when stored in the original sealed packing in a dry place.
Packaging: 5 kg polyethylene bags, 20 kg multi-ply paper bags.

Application Data

Mixing Ratio: 4-4.4 liters water / 20 kg powder
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 1 hour
Set to Light Traffic: 1 day
Consumption: See consumption table depending on width of the joints and dimensions of the tile.

Performance Data (at 23°C and 50% RH)

Flexural Strength (after 28 days) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after 28 days) (EN 12808-3): ≥ 15 N/mm²
Flexural Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 15 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 1000 mm³
Shrinkage (EN-12808-4): ≤ 3 mm/m
Water Absorption After 30 min / 4 hours (EN 12808-5): ≤ 2 g. / ≤ 5 g.
Service Temperature Range (after final cure): (-30°C) - (+80°C)

Grouts



2400 Fugaflex Rapid Rapid Set Flexible Grout

Rapid set, high performance cementitious flexible grout for 2 to 20 mm joints with high resistance to abrasion and reduced water absorption.

Fields of Application

- Grouting of all types and sizes of ceramic tiles, granite, cotto, clinker, glass mosaics, marble, natural stones with 2-20 mm joints at interior and exterior floors, and walls.
- Grouting of tile on places subject to heavy traffic like shopping malls, hospitals, hotels, private houses, etc.
- Grouting of wet places like swimming pools, water tanks.
- Grouting of places where sudden temperature changes and heavy traffic exist like facades, terraces, underfloor heating installations, warehouses.



TS EN 13888, Class CG2WA
C: Cementitious
G: Grout
2: Improved
W: Reduced water absorption
A: High abrasion resistance

General Data

Appearance: White and coloured powder
Shelf Life: 24 months, when stored in the original sealed packing in a dry place.
Packaging: 5 kg plastic pail.

Application Data

Mixing Ratio: 1.1 - 1.2 lt water / 5 kg powder
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 20-50 minutes

Grouting after installation:

on walls bonded with normal adhesive: 4-8 hours
on walls bonded with fast-setting adhesive: 1-2 hours
on floors bonded with normal adhesive: 24 hours
on floors bonded with fast-setting adhesive: 3-4 hours

Set to Light Traffic: Min 3 hours

Ready for use: 24 hours

Consumption: See consumption table depending on width of the joints and dimensions of the tile.

Performance Data (at 23°C and 50% RH)

Flexural Strength (EN 12808-3): ≥ 5 N/mm²
Compressive Strength (EN 12808-3): ≥ 10 N/mm² (6 hours), ≥ 25 N/mm² (28 days)
Flexural Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 5 N/mm²
Compressive Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 25 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 500 mm³
Shrinkage (EN-12808-4): ≤ 3 mm/m
Water Absorption (EN 12808-5): ≤ 2 g (after 30 min), ≤ 5 g (after 240 min)
Service Temperature Range (after final cure): (-30°C) - (+80°C)



2900 Fugapool Flexible Grouting Mortar for Pools

High performance, flexible, cementitious grout mortar for 1 to 6 mm joints, resistant against pool chemicals.

Fields of Application

- Grouting of all types and sizes of ceramic tiles, granite, cotto, clinker, glass mosaics, marble, natural stones with 1-6 mm joints at interior and exterior floors, and walls.
- Floor and wall grouting of wet places like swimming pools, water tanks, bathrooms, balconies, Turkish Baths, saunas, thermal springs and also grouting of places where sudden temperature changes occur like facades or over underfloor heating installations.



TS EN 13888, Class CG2WA.
C: Cementitious
G: Grout
2: Improved
W: Reduced water absorption
A: High abrasion resistance

Hacettepe University Doping Control Center Approval Report according to BS 6920 (suitable for use in contact with water intended for human consumption)

General Data

Appearance: White and coloured powder
Shelf Life: 20 kg bags: 12 months, 5 kg bags: 24 months when stored in the original sealed packing in a dry place.
Packaging: 5 kg polyethylene bags, 20 kg multi-ply paper bags.

Application Data

Mixing Ratio: 5.8 - 6.4 liters water / 20 kg powder, 1.45 - 1.6 liters water / 5 kg powder.
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 1 hour
Set to Light Traffic: 1 day
Consumption: See consumption table depending on width of the joints and dimensions of the tile.

Performance Data (at 23°C and 50% RH)

Flexural Strength (after 28 days) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after 28 days) (EN 12808-3): ≥ 15 N/mm²
Flexural Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 15 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 1000 mm³
Shrinkage (EN-12808-4): ≤ 3 mm/m
Water Absorption after 30 min / 4 hours (EN 12808-5): ≤ 2 g. / ≤ 5 g.
Service Temperature Range (after final cure): (-30°C) - (+80°C)



2800 Fugatech Ready to Use Flexible Grouting Mortar (1-6mm)

Acrylic based, flexible, water repellent, ready to use paste for 1 to 6 mm joints.

Fields of Application

- Grouting all types and sizes of ceramics and glass mosaics.
- Fugatech provides excellent results for horizontal and vertical interior applications and Fugatech Rustik is recommended for vertical exterior applications.
- Suitable for exterior facades and flexible substrates.

General Data

Appearance: White, beige and grey coloured paste
Dry Solids Content: $\geq 85\%$
pH: 8.00 ± 0.5
Shelf Life: 12 months, when stored in the original sealed packing in a dry place.
Packaging: 3 kg plastic pail.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Set to Light Traffic: > 48 hours
Consumption: See epoxy & acrylic consumption table depending on width of the joints and dimensions on the tile.

Performance Data (at 23°C and 50% RH)

Density: 1.7 ± 0.1 kg/m³
Resistance to Ageing: Good
Flexibility: High
Hardness (Shore D): - 50
Services Temperature Range (after final cure): (-15°C) - (+70°C)



2954 Epotech + Chemical Resistant Epoxy Grout and Adhesive

Three-component, solvent-free, epoxy-resin-based, chemical resistant adhesive and water wipeable grout.

Fields of Application

- Adhesive and grouting applications of surface coating materials such as antiacid porcelain tiles, granite, etc.
- In industries like food, textile, pharmaceutical, and hospitals, thermal swimming pools where hygiene is required.
- In industrial places where high chemical and mechanical strength is required.
- Laboratory benches and commercial kitchen working areas.
- Provides excellent results for joints in saline or thermal swimming pools, wastewater treatment plants.
- Bonding of Kalekim Waterproofing Tape.



TS EN 13888 Class RG
TS EN 12004 Class R2T
RG: Reaction Resin Grout
R2: Reaction Resin Improved Adhesive
T: Reduced Slip.

General Data

Appearance: Component A: White, Grey viscose liquid
Component B: Light yellow transparent liquid
Component C: Whitish powder
Shelf Life: 12 months, when stored in the original sealed packing in a cool, dry place.
Packaging: In 5 kg units and plastic pails (3 component);
Component A: 2.3 kg
Component B: 0.3 kg
Component C: 2.4 kg

Application Data

Application Temperature Range: (-10°C) - (+27°C)
Pot Life: 60 minutes at 23°C
Period of Grout filling: 12 - 48 hours (Depending on the temperature)
Ready for Use (Max. Chemical Resistance): 7 days
Set to Foot Traffic: 24 hours
Consumption: As an adhesive 3 - 4 kg/m²
As a grout see epoxy grout consumption table.

Performance Data (at 23°C and 50% RH)

Shear Adhesion Strength (EN 12003):
Initial: ≥ 15 N/mm²
After immersion in water: ≥ 15 N/mm²
After thermal shock: ≥ 10 N/mm²
Flexural Strength (EN 12808-3): ≥ 30 N/mm²
Compressive Strength (EN 12808-3): ≥ 45 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 250 N/mm³
Shrinkage (EN-12808-4): ≤ 1.5 mm/m
Water Absorption (after 240 min) (EN 12808-5): ≤ 0.10 gr
Service Temperature Range (after final cure): (-20°C) - (+80°C)
Release of Dangerous Substances: See SDS.
Reaction to fire: Bs1d0

Grouts



2956 Epotech G Easy Clean Epoxy Grout

Three-component, solvent-free, epoxy-resin-based, chemical resistant, easy clean grout.

Fields of Application

- Grouting applications of surface coating materials such as antiacid porcelain tiles, granite, natural stone, marble etc. for 2-12 mm joints.
- In industries like food, textile, pharmaceutical and hospitals, thermal swimming pools where hygiene is required.
- In industrial places where high chemical and mechanical strength is required.
- Laboratory benches and commercial kitchen working areas.
- Provides excellent results for joints in saline or thermal swimming pools, wastewater treatment plants.



Conforms TS EN 13888
Class RG
RG: Reaction Resin Grout

General Data

Appearance: Component A: White, Grey, Beige viscose liquid
Component B: Yellow-green transparent liquid
Component C: Off-white powder

Shelf Life: 12 months when stored in the original sealed packing in a cool, dry place.

Packaging: In 5 kg units and plastic pails (3 component)
Component A: 3.85 kg. Component B: 0.31 kg. Component C: 0.84 kg.

Application Data

Application Temperature Range: (+10°C) - (+27°C)

Pot Life: 60 minutes at 23°C

Ready for Use (Max. Chemical Resistance): 7 days

Set to Foot Traffic: 24 hours

Consumption: As a grout see epoxy grout consumption table.

Performance Data (at 23°C and 50% RH)

Flexural Strength (EN 12808-3): ≥ 30 N/mm²

Compressive Strength (EN 12808-3): ≥ 45 N/mm²

Abrasion Resistance (EN 12808-2): ≤ 250 N/mm³

Shrinkage (EN-12808-4): ≤ 1.5 mm/m

Water Absorption (after 240 min) (EN 12808-5): ≤ 0.10 gr

Service Temperature Range (after final cure): (-20°C) - (+80°C)

Reaction to fire: Bs1d0



2955 Fugasim Grout with Dazzle Effect

Decorative, stain resistant and easy to clean grout, distinguishing places with shining gold, silver, copper metallic dazzles.

Fields of Application

- Interior and exterior.
- Both horizontal and vertical applications.
- Swimming pools, bathrooms and other wet areas.
- Grouting joints of ceramic, granite ceramic, porcelain tiles and glass mosaic in malls, night clubs, restaurants and beauty centers.



Conforms TS EN 13888
Class RG
RG: Reaction Resin Grout

General Data

Appearance: Component A: Light yellow transparent liquid
Component B: Light yellow transparent liquid
Component C: Black, Gray, Beige, Brown, Blue powder
Component D: Silver, Gold, Copper dazzles

Shelf Life: 12 months when stored in the original sealed packing in a cool, dry place.

Packaging: 2.5 kg units and plastic pails (4 component).

Application Data

Application Temperature Range: (+10°C) - (+35°C)

Pot Life: 50 minutes at 25°C

Consumption: See epoxy grout consumption table.

Tack Free Time: 5 hours

Ready for Use (Stain Resistance): 7 days

Set to Foot Traffic: 24 hours

Performance Data (at 23°C and 50% RH)

Flexural Strength (EN 12808-3): ≥ 30 N/mm²

Compressive Strength (EN 12808-3): ≥ 45 N/mm²

Abrasion Resistance (EN 12808-2): ≤ 250 N/mm³

Shrinkage (EN-12808-4): ≤ 1.5 mm/m

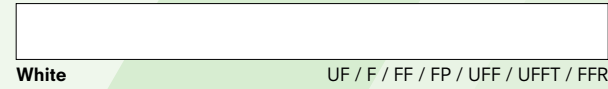
Water Absorption (after 240 min) (EN 12808-5): ≤ 0.1 gr

Service Temperature Range (after final cure): (-20°C) - (+80°C)

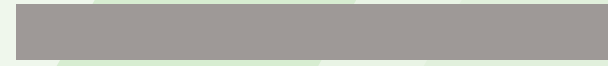


Colors of Grouting Mortars

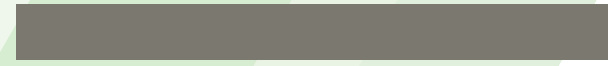
FUGA, ULTRAFUGA, FUGAFLEX, ULTRAFUGA FLEX, FUGAFLEX PAPID, FUGAPOOL



White UF / F / FF / FP / UFF / UFFT / FFR



Grey UF / F / FF / FP / UFF / FFR



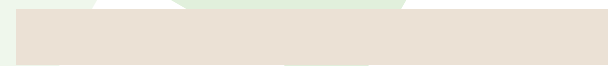
Uludag Grey UF / F / FF / UFF / FP / FFR



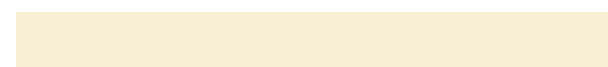
Satin Grey UF / F / FF / FP / UFF



Dydima Beige UF / F / FF



Bahama Beige UF / F / FF / UFF / FP / FFR



Ivory UF / F / FF / UFF / FP



Millet Brown UF / FF / UFF



Brown UF / F / FF / UFF



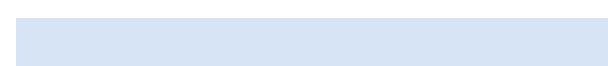
Light Brown UF / F / FF / UFF



Cappadocia Light Brown UF / FF / UFF



Cotto UF / FF



Atlas Blue UF / F / FF / FP



Mediterranean Blue UF / FF / FP



Bitter UF / FF



Almond Green UF / FF



Walnut UF / FF



Mustard UF / FF



Satin Yellow UF / FF / UFF



Powder UF / FF



Dry Rose UF / F / FF



Vanilla UF / FF



Black UF / F / FF / UFF / FFR



Pool Blue UF / FF / FP / UFF



Cappadocia Cream UF / F / FF / FP / FFR



Cappadocia Beige UF / F / FF / FP / FFR



Avanos Beige UF / FF



Ürgüp Beige UF / F / FF



Nevsehir Beige UF / F / FF



Anthracite UF / FF / UFF / FFR



Cacao UF / FF



Jasmine UF / FF

Grout colors may show difference from original because of the printing method used in this color card. The absorption of tile, water content of grout and climatic conditions may effect color shades. UF-ULTRAFUGA / F-FUGA / FF-FUGAFLEX / FP-FUGAPOOL / UFF-ULTRAFUGAFLEX / UFFT-ULTRAFUGAFLEX TOZUMAZ / FFR-FUGAFLEX RAPID

FUGASİM Gold Colors



Black



Grey



Brown



Beige



Blue

FUGASİM Silver Colors



Black



Grey



Brown



Beige



Blue

FUGASİM Copper Colors



Black



Grey



Brown



Beige



Blue

Grout colors may show difference from original because of the printing method used in this color card. The absorption of tile, water content of grout and climatic conditions may effect color shades.

EPOTECH + Colors



White



Grey

EPOTECH G Colors



White



Grey



Beige

FUGATECH Colors



White



Grey



Beige

2954 EPOTECH + / 2956 EPOTECH G Chemical Resistance Test Results

CHEMICAL NAME	%	TEST	CHEMICAL NAME	%	TEST
Aluminium Sulphate	2	+	Nitric Acid	30	+^
Ammonium Chloride	10	+	Oxalic Acid	10	+
Ammonium Chloride	40	+	Oleic Acid		-
Ammonium Nitrate	40	+	Paraffin Oil/ Wax		+
Ammonium Sulphate	40	+	Cheese Water		+
Antifreeze		+	Orange Juice		+
Acetic Acid	10	+	Potasyum Hidroksit	25	+^
Acetone		-	Potassium Hydroxide	50	+^
Copper Sulphate	40	+	Potassium Carbonate	40	+
Barium Chloride	40	+	Potassium Chloride	40	+
Benzoic Acid	10	+	Potassium Nitrate	40	+
Beer		+	Potassium Sulphate	40	+
Boric Acid	10	+	Brine (Salt Solution)	5	+
Zinc Chloride	40	+	SERACARE Oil Solvent	20	+
Zinc Sulphate	40	+	SERACARE Oil Solvent	50	+
Iron (II) Sulphate	40	+	Liquid Detergent		+
Iron (III) Chloride	40	+	Silicone Oil		+
Tomato Juice		+	Citric Acid	10	+
Saturated Salt Solution		+	Citric Acid	50	+
Formaldehyde	37	+	Sodium Acetate		+
Formic Acid	2.5	+	Sodium Bicarbonate	40	+
Phosphoric Acid	10	+^	Sodium Phosphate	40	+
Glycerin		+	Sodium Hydroxide	25	+
Hydrofluoric Acid	20	+	Sodium Hydroxide	50	+
Hydrogen Peroxide	10	+	Sodium Hypochloride Concentrate	Min. 5%	+
Hidrojen Peroksit	25	+	Sodium Carbonate	10	+
Hydrochloric Acid	37	+^	Sodium Carbonate	50	+
Hydraulic Fluid		+	Sodium Chlorate	40	+
Urine		+	Sodium Chloride	40	+
Isopropyl Alcohol	100	+	Sodium Monochromate Concentrated		+
Jet Fuel		+	Sodium Monochromate Diluted	40	+
Calcium Hydroxide	20	+	Sodium Nitrate		+
Calcium Chloride	40	+	Sodium Silicate 40-42 Be	40	+
Calcium Nitrate	40	+	Sodium Sulfite	10	+
Kerosene		+	Stearic Acid	40	+
Chlorinated Water	2 mg/l	+	Stearic Acid		+
Cola		+	Water	10	+^
Chromic Acid	5	+	Sulphuric Acid	50	+^
Lactic Acid	2.5	+^	Sulphuric Acid	70	+^
Lactic Acid	10	+^	Sulphuric Acid		+
Magnesium Chloride	40	+	Milk		+
Magnesium Nitrate	40	+	Wine	50	+
Magnesium Sulphate	40	+	Sugared Water	10	+
Diesel Oil		+	Tartaric Acid	40	+
Mineral Oil		+	Trisodium Phosphate	20	+
Engine Oil		+	Urea		+
Nickel Sulphate	33.3	+	Grape Juice		+^
Nitric Acid	10	+^	Olive Oil		

^:Discoloration
+:Resistant
-:Not resistant

Epoxy and Acrylic Grout Consumption Chart

Tile Dimensions (cm)	Joint Gap Depth (mm)	Joint Gap Width (mm)				
		3	4	5	7	10
		Consumption (gr/m ²)				
11.5x24	14	1050	1400	1750	2400	3500
	15	1100	1400	1850	2600	3650
20x20	7	400	550	700	950	1350
24x24	14	800	900	1200	1600	2300
	15	700	1000	1200	1700	2400
25x25	7	350	450	850	750	1100
30x30	8,5	350	450	550	750	1100
33x50	9	250	350	450	600	900
40x40	9	250	350	450	600	900
60x60	12	250	300	400	550	800

Cementitious Grouting Mortar Consumption Chart

Tile Dimensions (cm)	Joint Gap Depth (mm)	Joint Gap Width (mm)						
		1	2	3	4	5	6	10
		Consumption (gr/m ²)						
2.5x2.5	6	800	1600	2400	3200	4000	4750	7950
	8	1100	2100	3200	4250	5300	6350	10600
	10	1350	2650	4000	5300	6650	7950	13200
	12	1600	3200	4750	6350	7950	9500	15850
5x5	6	400	800	1200	1600	2000	2400	4000
	8	550	1110	1600	2100	2650	3200	5300
	10	700	1350	2000	2650	3300	4000	6600
	12	800	1600	2400	3200	4000	4750	7950
10x10	6	200	400	600	800	1000	1200	2000
	8	300	550	800	1100	1350	1600	2650
	10	350	700	1000	1350	1650	2000	3300
	12	400	800	1200	1600	2000	2400	4000
10x20	6	150	300	450	600	750	900	1500
	8	200	400	600	800	990	1200	2000
	10	250	500	750	1000	1250	1500	2500
	12	300	600	900	1200	1500	1800	3000
20x20	6	100	200	300	400	500	600	1000
	8	150	300	400	550	700	800	1350
	10	200	350	500	700	850	1000	1650
	12	200	400	600	800	1000	1200	2000
20x30	6	100	200	250	350	450	500	850
	8	150	250	350	450	550	700	1100
	10	150	300	450	550	700	850	1400
	12	200	350	500	700	850	1000	1650
20x50	6	100	150	250	300	350	450	700
	8	100	200	300	400	500	550	950
	10	150	250	350	500	600	700	1150
	12	150	300	450	550	700	850	1400
25x33	6	100	150	250	300	350	450	700
	8	100	200	300	400	500	600	950
	10	150	250	350	500	600	700	1200
	12	150	300	450	600	700	850	1400
25x40	6	100	150	200	250	350	400	650
	8	100	200	250	350	450	550	850
	10	150	250	350	450	550	650	1100
	12	150	250	400	550	650	800	1300
25x75	6	50	100	200	250	300	350	550
	8	100	150	250	300	350	450	700
	10	100	200	300	350	450	550	900
	12	150	250	350	450	550	650	1050
30x30	6	100	150	200	300	400	400	700
	8	100	200	300	350	450	550	900
	10	150	250	350	450	550	700	1100
	12	150	300	400	550	700	800	1350
30x45	6	100	150	200	250	300	350	550
	8	100	150	250	300	400	450	750
	10	100	200	300	400	500	550	950
	12	150	250	350	450	550	700	1100

Tile Dimensions (cm)	Joint Gap Depth (mm)	Joint Gap Width (mm)						
		1	2	3	4	5	6	10
		Consumption (gr/m ²)						
30x60	6	50	100	150	200	250	300	500
	8	100	150	200	300	350	400	700
	10	100	200	250	350	450	500	850
	12	100	200	300	400	500	600	1000
30x90	6	50	100	150	200	250	300	450
	8	100	150	200	250	300	350	600
	10	100	150	250	300	400	450	750
	12	100	200	300	350	450	550	900
33x33	6	100	150	200	250	300	400	600
	8	100	200	250	350	400	500	800
	10	100	200	300	400	500	600	1000
	12	150	250	400	500	600	750	1200
33x50	6	50	100	150	200	250	300	500
	8	100	150	200	300	350	400	700
	10	100	200	250	350	450	500	850
	12	100	200	300	400	500	600	1000
40x40	6	50	100	150	200	250	300	500
	8	100	150	200	300	350	400	700
	10	100	200	250	350	450	500	850
	12	100	200	300	400	500	600	990
45x45	6	50	100	150	200	250	300	450
	8	100	150	200	250	300	350	500
	10	100	150	250	300	400	450	750
	12	100	200	300	350	450	550	900
45x90	6	50	100	100	150	200	200	350
	8	50	100	150	200	250	300	450
	10	100	150	200	250	300	350	550
	12	100	150	200	300	350	400	700
50x100	6	50	100	100	150	150	200	300
	8	50	100	150	200	200	250	400
	10	50	100	150	200	250	300	500
	12	100	150	200	250	300	400	600
50x150	6	50	100	100	150	150	200	300
	8	50	100	150	150	200	250	350
	10	50	100	150	200	250	300	450
	12	100	150	200	250	300	350	550
60x60	6	50	100	100	200	200	200	350
	8	50	100	150	300	250	300	450
	10	50	100	200	250	300	350	550
	12	100	150	200	300	350	400	700
60x120	6	50	50	100	100	150	150	250
	8	50	100	100	150	200	200	350
	10	50	100	150	200	200	250	450
	12	50	100	150	200	250	300	500

Grout Selection Chart

		TILES			
		Grout Width (mm)	Ceramic, Glass Mosaic	Porcelain Tile, Granite, Clinker	Natural Stone, Marble
Cement Based	Fuga	1-6 mm	●	●	●
	Ultrafuga	1-6 mm	●	●	●
	Fugaflex	1-6 mm	●	●	●
	Fugaflex	6-20 mm			●
	Ultrafuga Flex Ultrafuga Flex Tozumaz	2-20 mm	●	●	●
	Fugaflex Rapid	2-20 mm	●	●	●
	Fugapool	1-6 mm	●	●	●
Acrylic Based	Fugatech	1-6 mm	●	●	
Epoxy Based	Fugasim	3-20 mm	●	●	
	Epotech+	4-10 mm	●	●	
	Epotech G	2-12 mm	●	●	
Sealants	Kalesilikon		●	●	
	Kalepolymas		●	●	●
	Kalesilikon Plus		●	●	
	Kalepolymas MS		●	●	●
	Kalesilikon NS			●	●

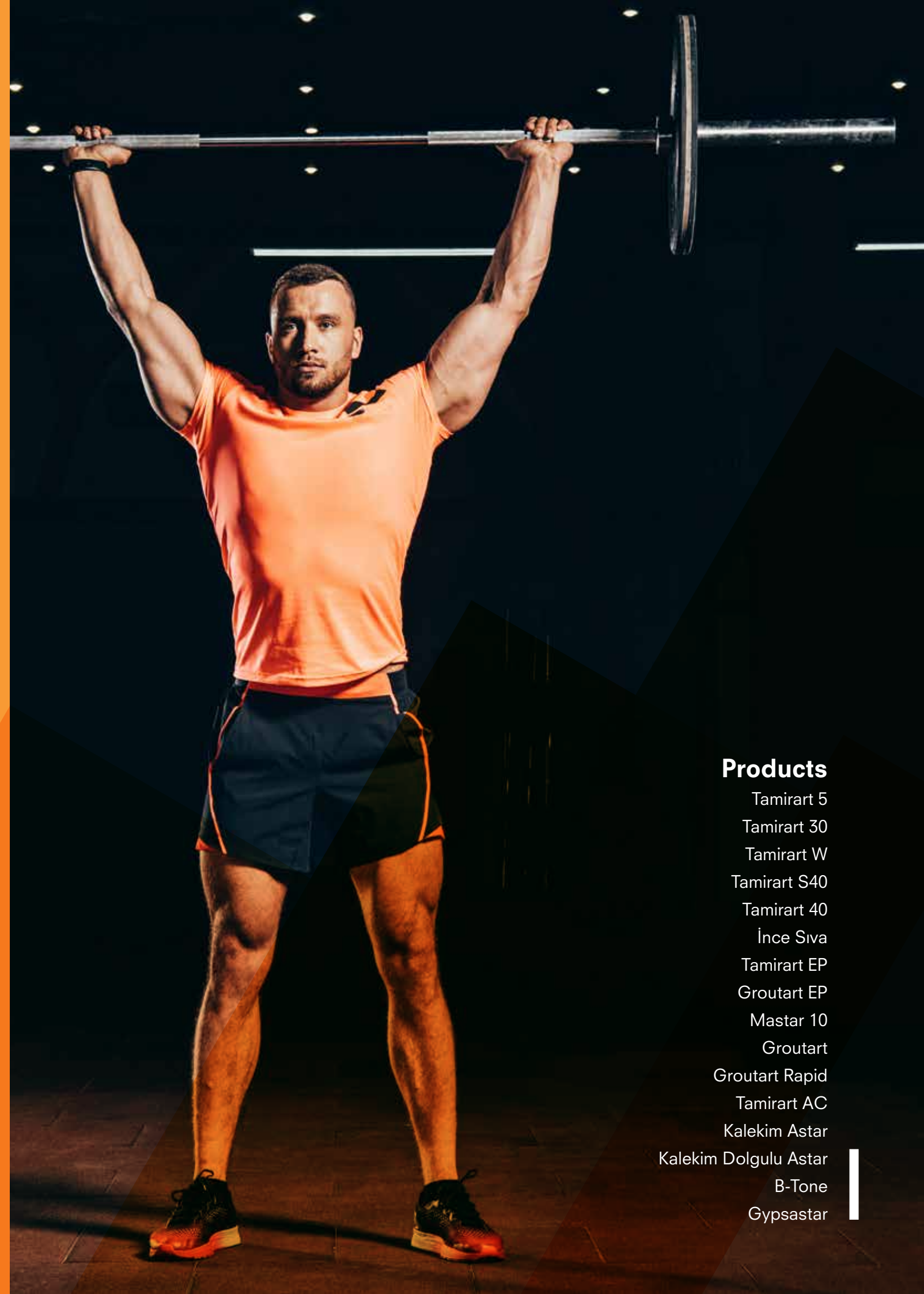
● Only for wall application.

FIELDS OF APPLICATION								
Interior	Bathroom, Shower, Kitchen	Balconies, Terraces, Gardens	Turkish Baths, Sauna	Heavy Duty Traffic	Swimming Pool, Water Tank (Drinkable Water)	Facade Coatings	Under Floor Heating	Acid and Chemical Resistant Industrial Places
●								
●	●							
●		●		●	●	●	●	
		●		●	●	●	●	
●	●	●	●	●	●	●	●	
●	●	●		●		●	●	
		●	●		●			
●	●						●	
●				●				
●			●	●				●
●	●	●						
●		●				●		
●						●		

Strength is in its Chemistry!

Protection, strengthening, durability!

Technical Applications



Products

Tamirart 5
Tamirart 30
Tamirart W
Tamirart S40
Tamirart 40
İnce Siva
Tamirart EP
Groutart EP
Mastar 10
Groutart
Groutart Rapid
Tamirart AC
Kalekim Astar
Kalekim Dolgulu Astar
B-Tone
Gypsastar

Technical Applications



4001 Tamirart 5 Fine Repairing Mortar

Cementitious, polymer reinforced rendering and repair mortar.

Fields of Application

- Smoothing walls prior to restoration, ceramic tiles installation and painting.
- Smoothing and filling hairy cracks on the surfaces of foamed cement, concrete, brick walls.
- Repairing old, damaged renders, concrete up to 1-10 mm.



Non-structural repair mortar conforming TS EN 1504-3 / Class R2.

General Data

Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 4.25 - 5.25 liters water / 25 kg powder
Pot Life: Min. 60 minutes
Application Thickness: 1-10mm (for single layer)
Consumption: 1.40 kg/m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)

Compressive Strength (TS EN 12190): ≥ 15 N/mm² (28 days)
Flexural Strength (TS EN 12190): ≥ 4.0 N/mm²
Tensile Strength (EN 1542): ≥ 1.0 N/mm²
Restrained Shrinkage-Expansion (EN 12617-4): ≥ 0.8 N/mm²
Capillary Water Absorption (EN 13057): ≤ 0.5 kg/m² h^{0.5}
Service Temperature Range (after final cure): (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire (EN 13501-1): A1



4004 Tamirart S40 High-Strength Structural Repairing Mortar (R4)

Sulphate and chloride resistant, cement based, thixotropic structural repairing mortar having polymer and fiber addition.

Fields of Application

- Repairing damaged high strength concrete
- Protection of concrete against sulphates and chlorides
- Repairing underwater and substructural concrete members
- Repairing tie-rod holes on concrete structure
- Repairing concrete structures which are subject to sea water
- Repairing surface defects between 5-40 mm thickness at single coat



Non-Structural repair mortar conforming EN 1504 - 3 / Class R4.

General Data

Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 2.5 - 3.5 liters water / 25 kg powder
Pot Life: Min. 1 hour
Ready For Use: 24 hours
Application Thickness: Min. 5 mm - Max. 40 mm
Consumption: 20 kg/m² (per 10 mm thickness)

Performance Data (at 23°C and 50% RH)

Flexural Strength (TS EN 12190): ≥ 3.0 N/mm² (1 day)
≥ 5.0 N/mm² (7 days)
≥ 7.0 N/mm² (28 days)
Compressive Strength (TS EN 12190): ≥ 20.0 N/mm² (1 day)
≥ 40.0 N/mm² (7 days)
≥ 55.0 N/mm² (28 days)

Modulus of Elasticity (EN 13412):

≥ 20000 N/mm²
Bonding to Concrete (EN 1542): ≥ 2.0 N/mm²
Restrained Shrinkage-Expansion (EN 12617-4): ≥ 2.0 N/mm²
Capillary Water Absorption (EN 13057): ≤ 0.5 kg/m² h^{0.5}
Service Temperature Range (after final cure): (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire (EN 13501-1): A1



4002 Tamirart 30 Coarse Repairing Mortar

Polymer reinforced, cement based surface repair mortar.

Fields of Application

- Smoothing walls prior to restoration, ceramic tiles installation and painting.
- Smoothing and filling hair cracks on the surfaces of aerated concrete, brick walls.
- Repairing old, damaged renders, concrete up to 5-30 mm.



Non-structural repair mortar conforming TS EN 1504-3 / Class R2.

General Data

Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bag.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 4.0 - 5.0 liters water / 25 kg powder
Pot Life: Min. 60 minutes
Application Thickness: Max. 30 mm (for single layer)
Consumption: 1.90 kg/m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)

Compressive Strength (TS EN 12190): ≥ 20.0 N/mm² (28 days)
Flexural Strength (TS EN 12190): ≥ 4.0 N/mm²
Tensile Strength (EN 1542): ≥ 1.0 N/mm²
Restrained Shrinkage-Expansion (EN 12617-4): ≥ 0.8 N/mm²
Capillary Water Absorption (EN 13057): ≤ 0.5 kg/m² h^{0.5}
Service Temperature Range (after final cure): (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire (EN 13501-1): A1



4005 Tamirart 40 High Performance Structural Repairing Mortar (R3)

Cement based, high performance, fibre added, thixotropic structural repairing mortar.

Fields of Application

- Thixotropic, no sagging on vertical applications.
- High adhesion strength.
- Applicable of 5-40 mm thick per coat.
- It is a structural repair mortar in R3 class according to the TS EN 1504-3.



Non-Structural repair mortar conforming EN 1504 - 3 / Class R3.

General Data

Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 2.5 - 3.5 liters water / 25 kg powder
Thickness: 5-40 mm (per coat)
Pot Life: 60 minutes
Consumption: 1.9 - 2.0 kg / m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)

Mortar Density (powder): 2.1 ± 0.1 g/cm³
Mortar Density (fresh): 2.0 ± 0.1 g/cm³
Flexural Strength (TS EN 12190): ≥ 3.0 N/mm² (1 day), ≥ 5.0 N/mm² (7 days)
≥ 7.0 N/mm² (28 days)
Compressive Strength (TS EN 12190): ≥ 20.0 N/mm² (1 day), ≥ 30.0 N/mm² (7 days)
≥ 40.0 N/mm² (28 days)

Elastic Modulus (EN 13412):

≥ 15000 N/mm²
Measurement of Bond Strength by Pull Off (EN 1542): ≥ 1.5 N/mm²
Restrained Shrinkage-Expansion (EN 12617-4): 1.5 N/mm²
Capillary Water Absorption (EN 13057): ≤ 0.5 kg/m² h^{0.5}
Service Temperature Range (after final cure): (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire (EN 13501-1): A1



4003 Tamirart W White Repairing Mortar

Cementitious, polymer reinforced filling and repair rendering for smoothing surfaces prior to painting.

Fields of Application

- Filling hair cracks and smoothing of the surfaces of aerated concrete, concrete, brick walls prior to painting.
- Smoothing walls during restoration.
- Repairing wall and ceiling renders.
- Repairing old, damaged renders and concrete up to 1-5 mm.



Non-structural repair mortar conforming EN 1504-3 / Class R1.

General Data

Appearance: White powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 20 kg multi-ply paper bag, 5 kg polyethylene bag.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 6.0 - 7.0 liters water / 20 kg powder
1.5 - 1.75 liters water / 5 kg powder
Pot Life: Min. 1 hour
Application Thickness: Max. 5 mm (for single layer)
Consumption: 1.20-1.40 kg/m² (per 1 mm thickness)
Bulk Density: ~ 1.40 g/cm³
Waiting Time Before Bonding (Ready For Use): 24 hours

Performance Data (at 23°C and 50% RH)

Compressive Strength (TS EN 12190): ≥ 10.0 N/mm² (28 days)
Flexural Strength (TS EN 12190): ≥ 2.5 N/mm²
Tensile Strength (EN 1542): ≥ 0.8 N/mm²
Service Temperature Range (after final cure): (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire (EN 13501-1): A1

Technical Applications



4041 Ince Siva Finish Plaster Applicable Manually or Mechanically

Cement based finish plaster mortar developed with special additives that is suitable for manual or mechanical application.

Fields of Application

- For providing smooth surface before interior and exterior painting, tiling and insulation of buildings,
- On cementitious render, concrete and smooth concrete surfaces,
- On bricks, pumice concrete, walls and ceilings.



Conforms EN 998-1, Designed, General Purpose Fine Plastering Mortar for Internal and External Use (GP)

General Data

Appearance: Grey and white powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 6-7 lt water / 25 kg grey powder
6.5 - 7.5 lt water / 25 kg white powder
Thickness: 3 - 10 mm (per layer)
Pot Life: -4 hours
Consumption: 1.50 kg/m² (for 1mm thickness)

Performance Data (at 23°C and 50% RH)

Bulk Density of Hardened Mortar (EN 1015-10): 1500 ± 100 kg/m³
Compressive Strength of Hardened mortar (EN 1015-11): ≥ 6 N/mm² CS IV
Bonding Strength - Type of Break (EN 1015-12): ≥ 0.4 N/mm²
Water Absorption Coefficient due to capillarity: ≤ 0.40 kg/m² dk^{0.5} / Wc1
Capillary Water Absorption - Class: ≤ 0.40 kg/m² min^{0.5} - Wc1
Water Vapour Permeability Coefficient: ≤ 15 (μ)
Working Life (EN 1015-9): ≥ 120 min.
Service Temperature Range (after final cure) (EN 1015-19): (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire (EN 13501-1): A1



4110 Groutart EP Epoxy Based Grout Mortar

Epoxy resin based, three-component, solvent-free, chemical resistant, self settling grouting mortar with well graded aggregates.

Fields of Application

- Structural and fracture repairs of concrete.
- Fixation of rails.
- To support embedded items, anchorage pins and bolts.
- Filling of holes and voids.
- Mounting of connecting rods and fixation of injection plugs.
- Anchorage of machinery on concrete.
- Machinery foundations.
- Adhesion of metal profiles onto the concrete.
- In construction of bridges and tunnels.



Complies with TS EN 1504-6 standard

General Data

Appearance: Component A: Clear liquid
Component B: Clear liquid
Component C: Gray powder
Shelf Life (Component A / B): 12 months when stored in the original sealed packing in a dry place.
Packaging: A+B+C Set 12 kg - Component A: 1.6 kg
Component B: 0.4 kg - Component C: 10 kg

Application Data

Application Temperature Range: (+10°C) - (+30°C)
Pot Life: 30 minutes at 30°C
Density: Mix: 2.24 g/cm³
Component A: 1.14 g/cm³
Component B: 1.02 g/cm³
Component C: 2.70 g/cm³
Application Thickness: Minimum 12 mm, Maximum 50 mm
Consumption: For 1 mm thickness 2.24 kg/m²

Performance Data (at 23°C and 50% RH)

Shear Adhesion Strength (TS EN 1346):
Concrete (7-days): -3.5 N/mm² (breaking within the concrete)
Steel (7-days): -20 N/mm²
Flexural Strength (EN 12808-3): > 30 N/mm² 1 day, > 35 N/mm² 7 days
Compressive Strength (EN 12808-3): > 100 N/mm² 1 day, > 120 N/mm² 7 days
Modulus of Elasticity: -20 GPa
Dangerous Substances: See SDS.



4101 Tamirart EP Epoxy Based Repair, Anchorage, Assembly Mortar

Epoxy resin based, two-component, solvent-free, thixotropic, structural adhesion, repair, anchorage and assembly material that is resistant to chemicals.

Fields of Application

- Repairs of structural concrete and fractures.
- Fixation of materials such as rails and balustrades.
- To support embedded items, and anchorage pins and bolts.
- Repairs of industrial purpose floors and edges of dilatation joints.
- Filling of holes and voids.
- Mounting of connecting rods and fixation of injection wall plugs.
- Achieving adhesion between and among concrete, stone, metal, wood, mortar, brick, prefabricated concrete, epoxy, polyester, glass, CTP pieces.
- Adhesion of metal profiles onto each other and concrete.
- Adhesion of floor and wall ceramic tiles, natural stone, granite and marble plates.
- Repairs of grouting and static fractures.
- Bonding of Kalekim Dilatation Tape.



Complies with TS EN 1504-4 standard

General Data

Appearance: Component A: Creme-beige colored paste
Component B: Black liquid
Shelf Life: 12 months when stored in the original sealed packing in a cool, dry place.
Packaging: A+B Set 5 kg - Component A: 4 kg - Component B: 1 kg

Application Data

Application Temperature Range: (+10°C) - (+30°C)
Pot Life: 30 minutes at 30°C (Pot life is shortened as the temperature increases.)
Density: Approximately 1.65 g/cm³
Readiness for Traffic: 24 hours at 23°C
Consumption: 1.70 kg/m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)

Bonding Strength on Concrete (EN1542): ≥ 4 N/mm²
Compression Strength (7-Day) (EN 12808-3): ≥ 60 N/mm²
Elastic Modulus (EN 13414): -5.400 N/mm²
Change of Volume: Shrink free.
Dangerous Substances: See SDS.



4201 Master 10 Self Leveling Screed

Self leveling flooring compound, smoothing the differences in thicknesses from 2.5 to 10 mm on new and existing interior floors where a high resistance to loads and traffic is required.

Fields of Application

- Leveling concrete slabs and cementitious screeds.
- Under wood, laminate parquet, carpet, PVC, linoleum and ceramic flooring.
- Leveling existing, terrazzo, ceramic and natural stone.
- For floors subject to high loads and heavy traffic like depots against dusting and abrasion.



EN 13813, Class C20-F4-A22

General Data

Appearance: Grey powder
Shelf Life (Component A / B): 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 4.75-5.25 liters water / 25 kg powder
Pot Life: 20 minutes
Ready for Use: 8 hours (set to light traffic)
24 hours (waiting time before bonding)
48 hours (complete curing)
Consumption: 1.5-1.7 kg/m² (per 1 mm thickness)
Application Thickness: Minimum 1 mm, Maximum 10 mm

Performance Data (at 23°C and 50% RH)

Compressive Strength (TS EN 13813): ≥ 20 N/mm² (28 days) - C20
Flexural Strength (TS EN 13813): ≥ 4 N/mm² (28 days) - F4
Abrasion Resistance (TS EN 13813): ≤ 20 cm³ / 50cm² - A22
Service Temperature Range: (-30°C) - (+80°C)
Dangerous Substance: See SDS.
Reaction to Fire: A1

Technical Applications



4210 Groutart High-Strength Grout Mortar

Cement based, polymer modified, non-shrink, high fluid, single component grout mortar.

Fields of Application

- Precision of column base plates.
- Prefabricated concrete installation.
- Precision of industrial machines like energy turbines, generators, pumps, etc.
- Concrete repairing.
- Suitable for interior and exterior applications



Non-Structural repair mortar conforming EN 1504 - 3 / Class R4.

General Data

Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 2.5 - 3.5 liters water / 20 kg powder
Pot Life: 30 min
Ready For Use: 24 hours
Application Thickness: Min. 10mm / Max. 150 mm
Consumption: 2 - 2.4 kg of powder (for 1 m² mortar)

Performance Data (at 23°C and 50% RH)

Compressive Strength (TS EN 12190): ≥ 30.0 N/mm² (1 day)
≥ 70.0 N/mm² (28 days)

Flexural Strength (TS EN 12190): ≥ 5 N/mm² (1 day)
≥ 7 N/mm² (28 days)

Modulus of Elasticity (EN 13412): ≥ 20000 N/mm²

Bonding to Concrete (EN 1542): ≥ 2.0 N/mm²

Capillary Water Absorption (EN 13057): ≤ 0.5 kg/m² h^{0.5}

Restrained Shrinkage-Expansion (EN 12617-4): ≥ 2.0 N/mm²

Service Temperature Range (after final cure): (-30°C) - (+80°C)

Dangerous Substances: See SDS.

Reaction to Fire (EN 13501-1): A1



4410 Tamirart AC Corrosion Inhibitor, Adhesion Improver Coating and Primer Mortar

Cementitious, one-component, polymer modified, corrosion inhibitor, adhesion improver coating and primer mortar.

Fields of Application

- Protection of concrete reinforcing rods by corrosion-inhibiting.
- Adhesion improvement of repair mortars.



Certificates of Quality:
Conforms EN 1504 - 7

General Data

Appearance: Red powder
Shelf Life: 12 months when stored in the original sealed packing in dry place
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 4.5 - 5.25 liters water / 25 kg powder (brush/roller application)
Pot Life: 60 min
Consumption: 2 kg/m² (per 1 mm thickness)
Waiting Time Between Each Coat: 4 - 5 hours
Application Thickness: 1 mm

Performance Data (at 23°C and 50% RH)

Compressive Strength (28 days; EN 196-1): 60 - 75 N/mm²

Flexural Strength (28 days; EN 196-1): 5 - 10 N/mm²

Bonding to Concrete (28 days; EN 1542): 1.5 - 2.5 N/mm²

Resistance to Corrosion: Test passed

Dangerous Substance: See SDS.

Reaction to Fire (EN 13501-1): A1



4505 Kalekim Astar Acrylic Primer

Ready to use, acrylic based primer that increase the capacity to adhere on the surfaces by balancing the absorbency of surfaces.

Fields of Application

- Improving the adhesion of cementitious compounds on concrete, gypsum, ceramic and marble surfaces.
- Treating surfaces against dusting and absorption, prior to ceramic tiling, screeding, waterproofing painting applications.

General Data

Appearance: White liquid.
Shelf Life: 12 months in original sealed packaging
Packaging: 5 lt drum.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Minimum Drying Time: 45 - 60 minutes
Consumption: 150 gr/m²

NEW



4211 Groutart Rapid Fast Setting High Strength Grout

Cement based, polymer modified, high strength non-shrink, self compacting, one component ultra fast setting grout mortar.

Fields of Application

- For fixing the manhole covers.
- Repair of concrete which should be needed to open the traffic immediately.
- Fixing of the steel columns on the foundations.
- Fixing the industrial machines on the floor.
- Prefabricated concrete installation.
- Precision of industrial machines as generators, compressors and pumps, etc.
- Suitable for interior and exterior applications.

General Data

Appearance: Grey powder
Shelf Life: 9 months when stored in the original sealed packing in dry place
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 2.5 - 3.5 liters water / 25 kg powder
Pot Life: 5-20 min.
Ready For Use (20°C): 1 hour
Consumption: 2.30 kg of powder (for 1 m³ mortar)
Application Thickness: Min. 10 mm, Max. 150 mm

Performance Data (at 23°C and 50% RH)

Flexural Strength (TS EN 12190): ≥ 7.0 MPa (1 day)
≥ 10.0 MPa (28 days)
Compressive Strength (TS EN 12190): ≥ 15.0 MPa (1 hour)
≥ 40.0 MPa (1 day)
≥ 50.0 MPa (7 days)
≥ 70.0 MPa (28 days)

Modulus of Elasticity (EN 13412): ≥ 20 GPa

Bonding to Concrete (EN 1542): ≥ 2.0 MPa

Capillary Water Absorption (EN 13057): ≤ 0.5 kg/m² h^{0.5}

Restrained Shrinkage-Expansion (EN 12617-4): ≥ 2.0 MPa

Service Temperature Range: (-30°C) - (+80°C)

Dangerous Substances: See SDS.



4506 Kalekim Dolgulu Astar Smooth Surface Primer

Solvent - free, polymer dispersion based, pigmented primer suitable for new ceramic tile over existing tile.

Fields of Application

- Smooth and dense surfaces such as tile, sandstone, marble, clinker, plywood and also absorbent surfaces such as gypsum, plaster, concrete, screed, wood.

General Data

Appearance: Light blue liquid.
Structure: Polymer dispersion based
Density: Approx. 1.17 g/cm³
Shelf Life: 12 months when stored in the original packaging
Packaging: 1 kg, 3 kg and 5 kg plastic pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: 45 - 60 minutes
Waiting Time After Application: Max. 48 hours
Consumption: 100 gr/m² per coat
(depending on the evenness and the porosity of the surface)



Non-Structural repair mortar conforming EN 1504 - 3 / Class R4.



Technical Applications



4507 B-Tone Smooth Concrete Surface Primer

Solvent - free, polymer dispersion based, pigmented, smooth concrete surface primer.

Fields of Application

- For indoor and outdoor applications
- For vertical and horizontal surfaces
- For ceilings
- Adhesion improving primer for the application of gypsum, lime and cement based plasters on smooth concrete surfaces.

General Data

Appearance: Orange
Shelf Life: 12 months when stored in the original packaging
Density: Approx. 1.55 g/cm³
Packaging: 12 and 25 kg plastic pails.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: 45 - 60 minutes
Waiting Time After Application: Min. 24 hours
Mixing Ratio: 4.0-6.0 liters water / 12 kg B-Tone
Consumption: 150-250 gr/m² per coat
(depending on the evenness and the porosity of the surface)
Thickness of Application: Min. 0.20 mm / Max. 0.40 mm



4510 Gypsastar Anhydrite Surface Primer

Ready to use acrylic based primer.

Fields of Application

- Treatment of anhydrite screeds and building boards prior to tiling using cementitious adhesives.
- Treatment of plaster, plaster slabs, gypsum fiber boards, plaster boards, concrete, render and brickwork prior to ceramic tiling using cementitious adhesives.
- Treatment of cementitious substrates prior to the application of self leveling compounds and other mortars and anhydrite screeds.
- For treating surfaces against dusting and absorption, prior to ceramic tiling, screeding, waterproofing painting applications.
- Suitable for interior, exterior, vertical and horizontal applications.

General Data

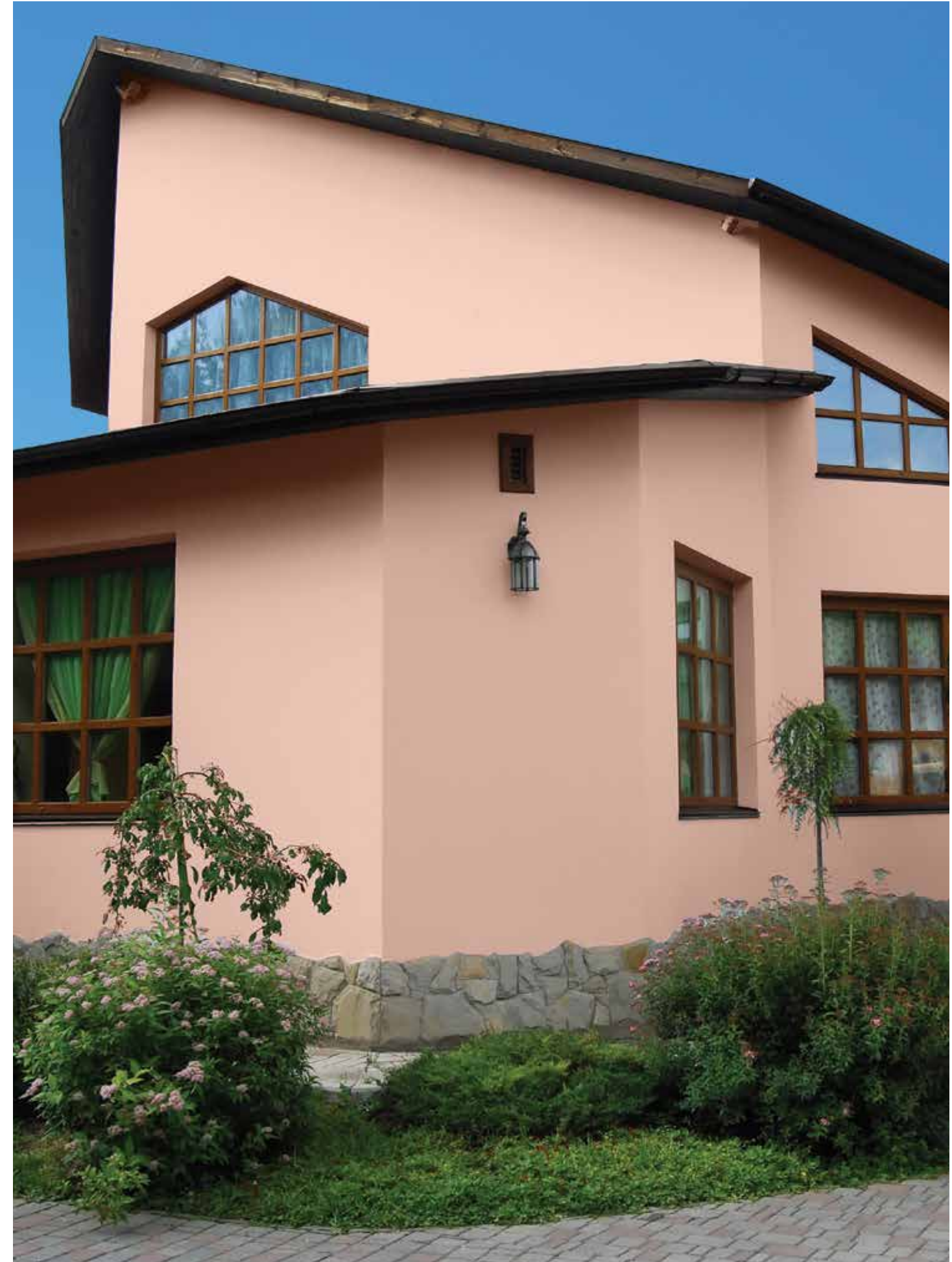
Appearance: Blue, low viscosity liquid.
Density: 1.01
Shelf Life: 12 months in original sealed packaging
pH: 7-8
Packaging: 5 lt drum.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: 80 - 120 minutes
Consumption: 140 - 160 gr/m² undiluted

Final Performance

Resistance to Moisture: Good
Flexibility: Good



Renewal is in its Chemistry!

Cleaning, care, protection!

Surface Cleaning & Maintenance Products

Products

Seracare Cement Remover
Seracare Stain Remover
Seracare Grout Cleaner
Seracare Surface Protector



Surface Cleaning & Maintenance Products



8201 Seracare Cement Remover

Acid based cleaner to quickly remove cement residues without releasing harmful fumes.

Fields of Application

- Cleaning off residues of cement-based products used as adhesives or for grouting ceramic surfaces.
- Cleaning cement and lime stains from the surfaces of ceramic tiles, terracotta, clinker, rustic furnishing, oven stone, natural stones, granite ceramic, porcelain ceramic and glazed ceramics on walls and floors.
- Cleaning off slight rust stains.

General Data

Appearance: Transparent liquid

pH: < 1

Shelf Life: 12 months in original sealed packaging.

Packaging: 1 lt plastic bottles.

Application Data

Application Temperature Range: (+5°C) - (+35°C)

Mixing Ratio (Cement Remover/Water): 1/1 - 1/5

Consumption: 1 lt / 20 - 100 m² (Depending on the amount of cement residue)



8203 Seracare Grout Cleaner

Organic based cleaning agent for removing dirt, lime and detergent residues from ceramic, porcelain ceramics and grouts without any damage.

Fields of Application

- Removing dirt, lime and detergent residues from ceramic, porcelain ceramics and grouts.
- Not useful for marble, granite and natural stones.

General Data

Appearance: Transparent liquid

pH: 1-2

Shelf Life: 12 months in original sealed packaging.

Packaging: 500 ml sprayable plastic bottles.

Application Data

Application Temperature Range: (+5°C) - (+35°C)

Consumption: 20 - 100 m² (Depending on the type of stain)



8202 Seracare Stain Remover

Non acidic cleaning agent for removing difficult stains such as coffee, oil, juices from granite, marble and terrazzo.

Fields of Application

- Removing difficult stains such as coffee, wine, oil, soft drinks from polished or unpolished surfaces such as marble, ceramic, granite, rustic ceramic, cotto, non-acid resistant stones, clinker and grouts.

General Data

Appearance: Transparent liquid

pH: > 13.5

Shelf Life: 12 months in original sealed packaging.

Packaging: 1 lt plastic bottles.

Application Data

Application Temperature Range: (+5°C) - (+35°C)

Mixing Ratio (Cement Remover/Water): 1/1 - 1/5

Consumption: 20 - 100 m² (Depending on the type of stain)



8251 Seracare Surface Protector

UV resistant, solvent based, ready to use surface protection material with excellent penetrating capacity.

Fields of Application

- Water, damp, dust and stain proofing of all types of porous materials such as concrete, cotto, clinker, ceramic, granite ceramic, brick, natural stones, terrazzo etc. and grouts for both indoor and outdoor applications, thanks to its water repellent property.
- Treating cotto and other highly porous tiles before laying with cement adhesives or before grouting leads much easier cleaning of the finished floor.

General Data

Appearance: Transparent liquid

pH: > 11

Shelf Life: 12 months in original sealed packaging.

Packaging: 1 lt plastic bottles.

Application Data

Application Temperature Range: (+5°C) - (+35°C)

Drying Time: 4-5 hours

Consumption: 20 - 100 m² (Depending on the absorptivity of surface)

Flexibility is in its Chemistry!

Conformity, endurance, ease!

Sealants & Grabs

Products

Kalemastik
Kalesilikon
Kalesilikon Plus
Kalesilikon NS
Kalepolymas
Kalepolymas MS
Technobond PU
Technobond MS
Kalefoam



Sealants & Grabs



8001 Kalemastik Acrylic Sealant

Easy to apply, paintable, elastic, acrylic based mastic.

Fields of Application

- Fixing and sealing of joints and cracks in construction elements.
- Sealing aluminum, wood and PVC frames.

General Data

Appearance: White paste
Density: 1.70 g/cm³
Shelf Life: 18 months in original sealed packaging.
Viscosity: 510000 cp (25 °C, 4/6, B.field. LVDV-II+)
Packaging: 310 ml Cartridge

Application Data

Application Temperature Range: (+5°C) - (+40°C)
Curing Time: 3.5 mm / 1 day
Skin Formation Time: 10 - 15 minutes at room temperature
Tack Free Time: 30 minutes

Performance Data (at 23°C and 50% RH)

Hardness Shore A (DIN 53505): 35-40
Service Temperature Range (after final cure): (-10°C) - (+80°C)



Conforms EN 15651-1: F-EXT-INT. 7.5 P



8011-8015 Kalesilikon Bathroom and Kitchen Silicone Sealant

Moisture curing, non-sagging formulation, easy to apply general purpose silicone sealant.

Fields of Application

- Fixing, sealing and filling of joints of sanitary ware like baths, sinks, showers, kitchen, furniture.
- Fixing and sealing of construction elements made of glass, metal and PVC.

General Data

Appearance: White, Transparent, Grey, Beige, Brown and Black color paste
Density: 0.98 ± 0.03 g/cm³
Shelf Life: 12 months in original sealed packaging.
Packaging: 280 ml or 310 ml cartridge

Application Data

Application Temperature Range: (+5°C) - (+40°C)
Curing Time: 2 mm / day
Skin Formation Time: 10 - 15 minutes
Tack Free Time: 8 minutes

Performance Data (at 23°C and 50% RH)

Hardness Shore A (DIN 53505): 15 ± 2
Modules at 100% Elongation (EN ISO 8339): > 0.40 N/mm²
Tensile Strength at Breaking Point (ISO 8339): > 2 N/mm²
Elongation at Breaking Point (ISO 8339): > 500%
Resistance to Flow (ISO 7390): ≤ 3 mm
Service Temperature Range (after final cure): (-40°C) - (+100°C)



Conforms EN 15651-3: S: Class XS



8017 Kalesilikon Plus Shower Cabin Silicone

Solvent free silicone sealant which is specially formulated for use in production and installation of shower cabins which shows excellent adhesion, durability and mold resistant properties.

Fields of Application

- Filling joints between tiles, bathtub and shower cabin during installation.
- Sealing joints of tiles for waterproofing.
- Filling and sealing the gaps between the shower cabin, tub and tiles during the shower cabin installation.

General Data

Appearance: Transparent and White color silicone sealant
Density: 1.02 ± 0.03 g/cm³
Shelf Life: 18 months in original sealed packaging.
Packaging: 310 ml cartridge

Application Data

Application Temperature Range: (+5°C) - (+40°C)
Curing Time: Min. 3 mm/day
Skin Formation Time: 7-13 min.

Performance Data (at 23°C and 50% RH)

Hardness Shore A (DIN 53505): 24-30 (after 28 days)
Change in Volume (%) (ISO 10563): ≤ 10
Tensile Strength (ISO 8339): ≥ 0.4 N/mm²
Elongation at Break (ASTM D412): ≥ 250%
Elastic Recovery (ISO 7389): Approx. 100%
Sagging (ISO 7390): < 3 mm
Temperature Resistance: (-50°C) - (+200°C)



Conforms EN 15651-3: S: Class XS



8018 Kalesilikon NS Neutral Facade Silicone

Neutral cure, premium performance silicone sealant formulated for weather sealing and glazing application.

Fields of Application

- Premium weather sealing and joint sealing for walls, windows and doors.
- Sealing of connection and expansion joints.
- Sealing applications of marble, stone and other porous substrates.
- Sealing and mounting the window and door frames.

General Data

Appearance: Transparent and White color neutral silicone sealant
Density: 1.33 ± 0.03 g/cm³
Shelf Life: 12 months in original sealed packaging.
Packaging: 310 ml cartridge

Application Data

Application Temperature Range: (+5°C) - (+40°C)
Curing Time: Min. 2.5 mm/day
Skin Formation Time: 13 min.

Performance Data (at 23°C and 50% RH)

Hardness Shore A (DIN 53505): 25 ± 5 (after 28 days)
Elongation at Break (ASTM D412): ≥ 200%
Sagging (ISO 7390): ≤ 3 mm
Loss of Volume (EN 15651): ≤ 10%
Temperature Resistance: (-50°C) - (+200°C)



EN 15651-1: F-EXT-INT-CC



8021 Kalepolymas Polyurethane Sealant

One-component flexible polyurethane sealant for expansion joints.

Fields of Application

- Sealing of expansion joints in building materials.
- Vertical and horizontal sealing of prefabricated construction materials.
- Sealing floor joints in ceramic and porcelain floor tiles in areas subject to heavy traffic.
- Flexible sealing around pipelines, outlets, and drains made of metal, wood, PVC.
- Sealing of expansion joints of internal and external places subject to movement up to 25% in supermarkets, car parks, shopping centers, warehouses.

General Data

Appearance: Grey or White color paste
Shelf Life: 12 months in original sealed cartridges and sausage.
Packaging: 310 ml Cartridge, 600 ml Sausage.

Application Data

Application Temperature Range: (+5°C) - (+40°C)
Curing Time: 2.5 mm / 24 hours
Tack Free Time: 60 - 90 minutes
Loss of Volume (EN 15651): ≤ 10%

Performance Data (at 23°C and 50% RH)

Hardness Shore A (DIN 53505): 30 ± 5
Modules at 100% Elongation (EN ISO 8339): ≤ 0.40 N/mm²
Elongation at Breaking Point (ISO 8339): > 600%
Elastic Recovery (ISO 7389): ≥ 70%
Movement Capability (EN 11600): ≤ 25%
Resistance to Flow (EN ISO 7390): ≤ 3 mm
Service Temperature Range (after final cure): (-30°C) - (+80°C)



Conforms EN 15651-1: F-EXT-INT-CC.



8022 Kalepolymas MS MS Polymer Based Joint Selant

MS polymer based, multipurpose, single component, elastic joint sealant suitable for indoor and outdoor applications which can withstand extreme joint movements.

Fields of Application

- Expansion and connection joints in the construction industry
- Suitable for indoor and outdoor, horizontal and vertical joints
- Parapet corner joints of roofs and terraces
- Sealing of joints in prefabricated buildings
- Movement joints in high rise constructions
- Sealing between window and door frames

General Data

Appearance: White, Black and Grey colour sealant
Density: 1.38 ± 0.03 gr/ml
Shelf Life: 12 months in original sealed packaging.
Packaging: 290 ml cartridge, 600 ml sausage

Application Data

Application Temperature Range: (+5°C) - (+40°C)
Curing Rate: 2.5 mm / 24 hr
Tack Free: Approx. 60 min

Performance Data (at 23°C and 50% RH)

Hardness Shore A (DIN 53505): 25 ± 5
Elongation at Break % ASTM D412: ≥ 250%
Volume Loss: < 10%
Tensile Strength ASTM D412: ≥ 1 N/mm²
Sagging (ISO 7390): < 3 mm
Temperature Resistance: (-40°C) - (+90°C)



EN 15651-2 : G-CC 20 LM
EN 15651-1 : F-EXT-INT-CC

Sealants & Grabs



Conforms EN 15651-1:F-EXT-INT-CC.

1401 Technobond PU Polyurethane Adhesive and Sealant

One component, multi-purpose, elastic polyurethane adhesive and sealant.

Fields of Application

- Horizontal and vertical bonding of various construction materials such as ceramic, wood, gypsum board, steel, aluminum, fibre cement on substrates such as concrete, ceramic, aluminum, wood.
- Bonding of prefabric construction materials.
- Bonding of facade panels like ceramic, granite ceramic, KALESINTERFLEX® to metal construction.
- Sealing of expansion joints of internal and external places subject to movement up to 20% in supermarkets, car parks, shopping centers and warehouses.

General Data

Appearance: Grey colored polyurethane adhesive and sealant
Shelf Life: 12 months when in original sealed cartridges and sausages.
Packaging: 310 ml Cartridge, 600 ml Sausage.

Application Data

Application Temperature Range: (+5°C) - (+40°C)
Curing Time: 3 mm / 24 hours
Skin Formation Time: 60 - 90 minutes
Tack Free Time: 60 minutes

Performance Data (at 23°C and 50% RH)

Hardness Shore A (DIN 53505): 40 - 45
Modules at %100 Elongation (EN ISO 8339): ≤ 0.40 N/mm²
Tensile Strength (ISO 8339): > 0.60 N/mm²
Elongation at Breaking Point (ISO 8339): $> 500\%$
Elastic Recovery (ISO 7389): $\geq 70\%$
Movement Capability (ISO 11600): 25%
Resistance to Flow (EN ISO 7390): ≤ 3 mm
Service Temperature Range (after final cure): (-30°C) - (+80°C)

NEW



1404 Technobond MS MS Polymer Adhesive

MS polymer-based, one component, high quality and professional adhesive with high adhesion strength and initial tack.

Fields of Application

- It is suitable for elastic bonding of panels, profiles and other pieces on the most common substrates such as stone, concrete, ceramic, copper, lead, zinc, aluminium, metals, R.V.S., wood, HPL and cement fibre panels etc.
- For fixing of;
 - Wall cladding elements and ceiling panels,
 - Sound isolation panels (mineral wool, wood-wool cement & plastic foams),
 - Thermal insulation boards,
 - Wooden and plastic laths, ornaments and frames,
 - Doorsteps, window sills, skirting boards and cover plates

General Data

Appearance: White, Black or Grey coloured adhesive
Density: 1.49 ± 0.03 gr/ml
Shelf Life: 9 months in original sealed packaging.
Packaging: 290 ml cartridge, 600 ml sausage

Application Data

Application Temperature Range: (+5°C) - (+40°C)
Tack Free: 15-20 min.
Curing Rate: Approx. 3.5 mm/24 hr

Performance Data (at 23°C and 50% RH)

Hardness Shore A (DIN 53505): 55 ± 5
Elongation at Break % ASTM D412: $\geq 300\%$
Volume Loss: $< 10\%$
Tensile Strength ASTM D412: ≥ 3 N/mm²
Sagging (ISO 7390): ≤ 3 mm
Temperature Resistance: (-40°C) - (+90°C)

8101 Kalefoam Polyurethane Foam

Single component, moisture curing multipurpose polyurethane foam that cures to a semi-rigid structure within 2 - 4 hours.

Fields of Application

- Fixing door and window frames made of wood, metal and other materials.
- Fixing and isolating electrical installations and water pipes.
- Filling and insulating large cracks, jointing and holes.

General Data

Composition: Polyurethane foam
Appearance: Yellow foam
Shelf Life: 12 months in original sealed packaging.
Packaging: 750 ml tubes.

Application Data

Application Temperature Range: (+5°C) - (+25°C)
Free Rise Density: ~ 25 kg/m³
Ready to Cutting: < 10 minutes (20 mm thickness)

Performance Data (at 23°C and 50% RH)

Thermal Conductivity (DIN 53455): 0.04 W/mK
Tensile Strength: ~ 18 N/cm²
Shear Strength: ~ 8 N/cm²
Compressive Strength: ~ 20 N/cm²
Flexural Strength: ~ 5 N/cm²
Water Absorption: 0.3 % (by volume)
Dimensional Stability: ≤ 10 %
Consumption: Can be controlled with pressure and angle of valve.)
Yield: ~ 45 lt
Service Temperature Range (after final cure): (-40°C) - (+100°C)



Contribution is in its Chemistry!

*Flexibility, performance,
endurance!*

Products

Kalekim Latex
Betoplus 101

Additives

Additives



5005 Kalekim Latex Liquid Waterproofing Mortar Additive

Water dispersion of a synthetic elastomer for improving workability and water impermeability when mixed with cementitious mortars like renders, screeds, repair mortars and adhesive slurries.

Fields of Application

- As an admixture to improve flexibility, adhesion, water impermeability characteristics of cementitious mixes for screeds, renders, repair mortars, adhesive slurries.

General Data

Appearance: White liquid
Shelf Life: 12 months in original sealed package
pH: 8 - 10
Density: $1.03 \pm 0.03 \text{ g/cm}^3$
Packaging: In drums of 5 lt or 30 lt or 200 lt barrel

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio (Latex/Water): 1:1 - 1:4 (depending on the application)
Consumption: Varies with application



5101 Betoplus 101 Waterproofing Admixture

Ready to use waterproofing powder admixture for cement/sand mortars.

Fields of Application

- Used as an admixture for waterproofing of;
- Cementitious renders and mortars exposed to water and humidity.
 - Renders for exterior applications.
 - Flooring mortars under ceramic tiling.
 - Concrete basins of potable water, foundations, retaining walls, basement walls.

General Data

Appearance: White powder
Shelf Life: 12 months when stored in original packaging at temperature
Packaging: 330 g polyethylene bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Consumption: 330 g powder for 1 paper bag (50 kg) cement, min. 300 kg/m³ mortar

Resilience is in its Chemistry!

Endurance, protection, aesthetic!

Flooring Applications



Products

Tecnica 22 CW
Tecnica 64 LS
Tecnica 32 DS
Tecnica 34 DS
Tecnica 132
Tecnica 142
Tecnica 152
Tecnica 242 SL
Tecnica 332
Tecnica 342 OP

Flooring Applications



Tecnica 22 CW Acrylic Emulsion Based Curing Material

Acrylic emulsion based, curing material to be applied after concrete, screed and cementitious surface hardener applications which prevents the water evaporation and reduces the risk of shrinkage and crack formation by forming film on the surface.

Fields of Application

- Suitable for interior and exterior applications.
- Applicable over concrete substrates, screeds and cementitious surface hardener applied surfaces.
- Suitable for low relative humidity and high air current conditions.
- Convenient for curing process of vertical and horizontal building elements.

General Data

Appearance / Colours: White liquid
Shelf Life: 12 months
Consumption: 0.15-0.25 kg/m²
Application Temperature: 5 - 35°C
Density: ~1 kg/l
Packaging: 30 kg plastic drums.

NEW



Tecnica 64 LS Lithium Silicate Based Liquid Surface Hardener

Water based, VOC free, lithium silicate liquid hardener and densifier that impregnates new or existing concrete surfaces and provides dust free finish.

Fields of Application

- It is used indoors and outdoors,
- On old /new concrete and cement based surfaces,
- On floors of industrial plants where no dusting is desired,
- Hangar and workshops,
- Garages and parking lots,
- Warehouses,
- Areas subject to tire wheel vehicle traffic.

General Data

Appearance / Colours: Transparent liquid
Shelf Life: 24 months in unopened package in dry environment
Density: 1.13 g/cm³
Drying Time: 4-6 hours
Consumption: 100-200 ml/m² (old concrete) / 80-100 ml/m² (new concrete)
Temperature of the Application Surface: (+5°C) - (35°C)
Solid Content Ratio: 17%
Abrasion Resistance (Böhme Test Method): < 3 cm³ / 50 cm²
Packaging: 30 lt plastic drums.



Tecnica 32 DS Quartz Aggregate Surface Hardener

Cementitious, quartz aggregate containing dry shake, ready to use surface hardener for the surfaces exposed to medium-heavy wear.

Fields of Application

- Suitable for interior and exterior applications.
- Industrial building floors.
- Maintenance workshops and hangers.
- Garages and carparks.
- Storage areas.
- Loading areas.
- Areas exposed to tire wheeled vehicle traffic.

General Data

Appearance / Colours: Red/Green/Gray/Natural/Black color powder
Shelf Life: 12 months
Consumption: 4 - 6 kg/m²
Surface Temperature: (+5°C) - (35°C)
Compressive Strength (7 days, EN 196-1): 75 N/mm²
Abrasion Resistance (28 days, Böhme Test Method): ≤ 2.5 cm³ / 50 cm²
Packaging: 25 kg multi-ply paper bags.



Conforms EN 13813
TS EN 1504-2



Tecnica 34 DS Corundum Aggregate Surface Hardener

Cementitious, corundum and specially selected aggregate mix containing dry shake, ready to use surface hardener for the surfaces exposed to medium-heavy wear.

Fields of Application

- Suitable for interior and exterior applications.
- Industrial building floors.
- Maintenance workshops and hangers.
- Garages and carparks.
- Storage areas.
- Loading areas.
- Areas exposed to tire wheeled vehicle traffic.
- Airplane hangers.
- Helicopter landing areas.



Conforms EN 13813
TS EN 1504-2



Tecnica 132 Epoxy Based, Two Component, Solvent Free Primer

Two component, low viscosity, solvent free, epoxy based primer.

Fields of Application

- Priming concrete substrates, cement screeds and epoxy mortars
- Normal to strongly absorbent surfaces
- Primer for all Tecnica epoxy floorings
- Binder for repair, levelling mortars and mortar screeds
- Internal and external use



Conforms TS EN 1504-2



Tecnica 142 Epoxy Primer, Levelling Mortar, Mortar Screed

Two component, low viscosity, solvent free, epoxy based primer.

Fields of Application

- Priming concrete substrates, cement screeds and epoxy mortars
- Normal to strongly absorbent surfaces
- Primer for all Tecnica epoxy floorings
- Binder for repair, levelling mortars and mortar screeds
- Internal and external use



Conforms TS EN 1504-2

General Data

Appearance / Colours: Red/Green/Gray/Natural color powder
Shelf Life: 12 months
Consumption: 4 - 8 kg/m²
Surface Temperature: (+5°C) - (35°C)
Compressive Strength (7 days, EN 196-1): > 80 N/mm²
Abrasion Resistance (28 days, Böhme Test Method): ≤ 2 cm³ / 50 cm²
Packaging: 25 kg multi-ply paper bags.

General Data

Appearance/Colours: Component A: Transparent liquid
 Component B: Brownish liquid
Shelf Life: 24 months in original sealed packaging.
Mixing Ratio (A/B): 16.3 kg / 3.7 kg
Mixture Density: ~1.46 g/cm³
Packaging: Component A: 16.3 kg containers, Component B: 3.7 kg containers, Components A+B: 20 kg ready to mix units.

Application Data

Consumption: 0.3 - 0.6 kg/m²
Surface Temperature: 10 - 30 °C
Pot Life (23 °C): ~25 minutes
Overcoatibility (+20°C): 12 hours
Final Curing (+20°C): 7 days

Performance Data (at 23°C and 50% RH)
Shore D Hardness (7 days, DIN 53505): ~75
Compressive Strength (Mortar with silica sand by a ratio of 1 to 9, 7 days, EN 196-1): ~30 N/mm²
Flexural Strength (Mortar with silica sand by a ratio of 1 to 9, 7 days, EN 196-1): ~10 N/mm²
Bond Strength (EN 4624): > 1.5 N/mm² (failure in concrete)

Thermal Resistance

Permanent Exposure: 50 °C
Short Term (max. 7 days): 80 °C
Short Term (max. 12 hours): 100 °C

General Data

Appearance/Colours: Component A: Transparent liquid
 Component B: Brownish liquid
Shelf Life: 24 months when stored in original sealed packaging.
Mixing Ratio (A/B): 13.9 kg / 6.1 kg
Mixture Density: App. 1.10 g/cm³
Packaging: Component A: 13.9 kg containers, Component B: 6.1 kg container, Components A+B: 20 kg ready to mix units.

Application Data

Consumption: 0.3 - 0.5 kg/m²
Surface Temperature: 10 - 30 °C
Pot Life (23 °C): ~20 minutes
Overcoatibility (+20°C): 12 hours
Final Curing (+20°C): 7 days

Performance Data (at 23°C and 50% RH)
Shore D Hardness (7 days, DIN 53505): ~75
Compressive Strength (Mortar with silica sand by a ratio of 1 to 9, 7 days, EN 196-1): ~35 N/mm²
Flexural Strength (Mortar with silica sand by a ratio of 1 to 9, 7 days, EN 196-1): ~15 N/mm²
Bond Strength (EN 4624): > 2 N/mm² (failure in concrete)

Thermal Resistance

Permanent Exposure: 50 °C
Short Term (max. 7 days): 80 °C
Short Term (max. 12 hours): 100 °C

Flooring Applications

NEW



Tecnica 152 Moisture Tolerant Epoxy Primer

Two component, low viscosity, solvent free, epoxy based primer can be applied on dry, moist or wet concrete and mineral surfaces.

Fields of Application

- Priming concrete substrates, cement screeds and epoxy mortars,
- Normal and strongly absorbent surfaces,
- Moist and wet surfaces as a moisture barrier,
- Primer for all Tecnica epoxy floorings and Izopur polyurethane waterproofing systems,
- Binder for repair, levelling mortars and mortar screeds,
- Internal and external use.



Conforms EN 1504-2

General Data
Appearance/Colours: Component A: Transparent liquid Component B: Brownish liquid
Chemical Structure: Solvent free epoxy resin
Shelf Life: 24 months when stored in original sealed packaging.
Pot Life (23°C): 40 minutes
Mixing Ratio (A/B): 13.1 kg / 6.9 kg
Mixture Density: -1.10 g/cm ³
Packaging: Component A: 13.1 kg containers, Component B: 6.9 kg containers, Components A+B: 20 kg ready to mix units.
Application Data
Consumption: 0.3 - 0.5 kg/m ²
Surface Temperature: 10 - 30 °C
Waiting Time/Overcoatibility (+20°C): 12 hours
Overcoatibility (+20°C): 12 - 24 hours
Final Curing (+20°C): +10°C 10 days / +20°C 7 days / +30°C 4 days
Performance Data (at 23°C and 50% RH)
Shore D Hardness (7 days, DIN 53505): -75
Bond Strength (EN 4624): > 1.5 N/mm ² (failure in concrete)
Thermal Resistance
Permanent Exposure: 50 °C
Short Term (max. 7 days): 80 °C
Short Term (max. 12 hours): 100 °C



Tecnica 242 SL Epoxy Based, Solvent Free, Two Component, Self Levelling and Broadcast System

Two component, solvent free, epoxy based self levelling and broadcast system coating material.

Fields of Application

- On concrete substrates
- Areas subject to normal-medium heavy mechanical wear like storage areas and assembly halls, maintenance workshops, garages, loading ramps
- Multi-floor and underground car parks and maintenance hangars
- Food and beverage industry
- Malls and supermarkets
- Showrooms and exhibition areas
- Garages



Conforms EN 1504-2

General Data
Appearance/Colours: Component A: Coloured liquid Component B: Transparent liquid
Shelf Life: 12 months
Mixing Ratio (A/B): 16.4 kg / 3.6 kg
Mixture Density (A+B): -1.45 kg/l
Mixture Density (1:1 w/w Resin:filler mixture): -2 kg/l
Packaging: Component A: 16.4 kg containers, Component B: 3.6 kg containers, Components A+B: 20 kg ready to mix units.
Application Data
Consumption: 1.7 kg/m ²
(1:1 w/w Resin: filler mixture/1 mm thickness)
Surface Temperature: 10 - 30 °C
Pot Life (+23°C): 45 min. (depending on the amount)
Final Curing (+20°C): 7 days
Performance Data (at 23°C and 50% RH)
Shore D Hardness (7 days, DIN 53505): ≥ 65
Bond Strength (EN 4624): > 1.5 N/mm ² (failure in concrete)
Abrasion Resistance (EN ISO 5470-1 Taber): < 70 mg (CS10, 1000 cycle, 1000gr)
Thermal Resistance
Permanent Exposure: 50 °C
Short Term (max. 7 days): 80 °C
Short Term (max. 12 hours): 100 °C



Tecnica 332 Solvent Free, Two Component, Epoxy Roller and Seal Coat

Two component, solvent free epoxy based final coat applied by roller.

Fields of Application

- Over concrete substrates, cement screeds
- As a final coat for broadcast multi-layer systems
- Normal-medium wear and chemical exposure areas
- Car parks and maintenance workshops
- Control rooms
- Food and beverage industries
- Production, packaging and storage areas
- Galleries and exhibition areas
- As floor coating for ramps
- Garages



Conforms EN 1504-2

General Data
Appearance/Colours: Component A: Coloured liquid Component B: Transparent liquid
Shelf Life: 12 months
Mixing Ratio (A/B): 17.0 kg / 3.0 kg
Mixture Density: -1.65 g/cm ³
Packaging: Component A: 17.0 kg containers, Component B: 3.0 kg containers, Components A+B: 20 kg ready to mix units.
Application Data
Consumption: -0.5 kg/m ²
Surface Temperature: 10 - 30 °C
Pot Life: 60 minutes (depending on the amount)
Final Curing: 7 days
Performance Data (at 23°C and 50% RH)
Shore D Hardness (7 days, DIN 53505): ≥ 65 (28 days / DIN 53505)
Bond Strength (EN 4624): > 1.5 N/mm ² (failure in concrete)
Abrasion Resistance (EN ISO 5470-1 Taber): < 70 mg (CS17, 1000 cycle, 1000 g)
Thermal Resistance
Permanent Exposure: 50 °C
Short Term (max. 7 days): 80 °C
Short Term (max. 12 hours): 100 °C



Tecnica 342 OP Textured, Two Component Epoxy Coating

Solvent free, two component, textured epoxy coating.

Fields of Application

- Over concrete substrates, cement screeds
- As a final coat for broadcast multi-layer systems
- Normal-medium wear and chemical exposure areas
- Car parks and maintenance workshops
- Control rooms
- Food and beverage industries
- Production, packaging and storage areas
- Galleries and exhibition areas
- As floor coating for ramps
- Garages



Conforms EN 1504-2

General Data
Appearance/Colours: Component A: Coloured liquid Component B: Transparent liquid
Shelf Life: 12 months in original sealed packaging.
Mixing Ratio (A/B): 17.0 kg / 3.0 kg
Mixture Density (A/B): -1.74 g/m ³
Packaging: Component A: 17.0 kg containers, Component B: 3.0 kg containers, Components A+B: 20 kg ready to mix units.
Application Data
Consumption (for single layer): -0.5 kg/m ²
Surface Temperature: 10 - 30 °C
Pot Life: 60 minutes (depending on the amount)
Final Curing: 7 days
Performance Data (at 23°C and 50% RH)
Shore D Hardness (7 days, DIN 53505): ≥ 70
Bond Strength (EN 4624): > 1.5 N/mm ² (failure in concrete)
Abrasion Resistance (EN ISO 5470-1 Taber): < 70 mg (CS10, 1000 cycle, 1000gr)
Thermal Resistance
Permanent Exposure: 50 °C
Short Term (max. 7 days): 80 °C
Short Term (max. 12 hours): 100 °C

Interior Wall Paints



Products

- Kalia İpek Mat
- Kalia Mat
- Kalia Clean Care
- Joker Plus İpek Mat
- Joker Plus Mat
- Joker Plus Plastik
- İstut
- Suten
- Tavan Plastiđi

Interior Wall Paints



5163 Kalia İpek Mat Silky Matt, Silicone Enhanced, Water Based Interior Wall Paint

Acrylic emulsion based, silicone enhanced, easy to clean, perfectly scrub resistant, silky matt interior wall paint.

Fields of Application

- On interiors suitably prepared new mineral surfaces such as concrete, mortar, cement panel, gypsum panel etc. and on old painted surfaces, putty.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.34 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B, C, bases using the Renk Bankası and the Renk Ustası
Packaging: 2.5, 7.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours. Lower Temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.04-0.06 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment.

Performance Data

TS EN 13300	Class
Gloss	Semi matt
Grain Size	Fine
Contrast Ratio	Class 2 (7 m ² /L)
Wet Scrub Resistance	Class 1



5167 Joker Plus İpek Mat Silky Matt, Silicone Enhanced, Water Based Interior Wall Paint

Acrylic emulsion based, silicone enhanced, scrub resistant, easily cleanable, silky matt interior wall paint.

Fields of Application

- On interiors, suitably prepared new mineral surfaces such as concrete, mortar, cement panel, gypsum panel etc., on old painted surfaces, putty.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.37 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B, C bases by using Renk Bankası and Renk Ustası.
Packaging: 2.5, 7.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.05-0.07 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment.

Performance Data

TS EN 13300	Class
Gloss	Semi matt
Grain Size	Fine
Contrast Ratio	Class 2 (7 m ² /L)
Wet Scrub Resistance	Class 2



TS 5808



5156 Kalia Mat Matt, Silicone Enhanced, Water Based Interior Wall Paint

Acrylic emulsion based, silicone enhanced, scrub resistant, matt, interior wall paint.

Fields of Application

- On interiors, suitably prepared new mineral surfaces such as concrete, mortar, cement panel, gypsum panel etc. and on old painted surfaces, putty.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.64 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B, C, bases using the Renk Bankası and the Renk Ustası
Packaging: 2.5, 7.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.05-0.07 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment.

Performance Data

TS EN 13300	Class
Gloss	Matt
Grain Size	Fine
Contrast Ratio	Class 1 (5m ² /L)
Wet Scrub Resistance	Class 2



5169 Joker Plus Mat Silicone Enhanced, Water Based Interior Wall Paint

Acrylic emulsion based, silicone enhanced, scrub resistant, matt interior wall paint.

Fields of Application

- On interiors, suitably prepared new mineral surfaces such as concrete, mortar, cement panel, gypsum panel etc, on old painted surfaces, putty.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.66 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B, C bases by using Renk Bankası and Renk Ustası.
Packaging: 2.5, 7.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: Recoatable after 2 hours and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.05-0.07 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment.

Performance Data

TS EN 13300	Class
Gloss	Matt
Grain Size	Fine
Contrast Ratio	Class 2 (7 m ² /L)
Wet Scrub Resistance	Class 2



TS 5808



TS 5808



5158 Kalia Clean Care Easy Clean, Silicone Enhanced, Silky Matt, Water Based Interior Wall Paint

Acrylic emulsion based, silicone enhanced, premium quality washable, perfect scrub resistant, silky matt interior wall paint.

Fields of Application

- On interiors suitably prepared new mineral surfaces such as concrete, mortar, cement panel, gypsum panel etc. and on old painted surfaces, putty.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.29 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B, C, bases using the Renk Bankası and the Renk Ustası
Packaging: 2.5 L, 7.5 L and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.077 - 0.100 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment.

Performance Data

TS EN 13300	Class
Gloss	Semi matt
Grain Size	Fine
Contrast Ratio	Class 2 (7 m ² /L)
Wet Scrub Resistance	Class 1



5171 Joker Plus Plastik Matt, Water Based Interior Wall Paint

Acrylic emulsion based, matt interior wall paint.

Fields of Application

- On suitably prepared new mineral interior surfaces such as concrete, mortar, cement panel, gypsum panel etc., on putty and on old painted interior surfaces.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.67 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B, C bases by using Renk Bankası and Renk Ustası.
Packaging: 2.5, 7.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: Recoatable after 2 hours and thoroughly dry after 24 hours. Lower Temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.06-0.07 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment.

Performance Data

TS EN 13300	Class
Gloss	Matt
Grain Size	Fine
Contrast Ratio	Class 2 (5 m ² /L)
Wet Scrub Resistance	Class 4



TS 5808

Interior Wall Paints



5165 Isitut Anti-Condensation and Isothermal Interior Wall Paint

Acrylic emulsion based, breathable, velvet-like matt finish, interior decorative paint - with the help of micro glass spheres, forms insulating film by working as double glass system (glass/air/glass) on applied surfaces that provides 4 times less heat transmission coefficient than other paints. ISITUT prevents condensation of water vapour on paint film and helps prevent heat loss. Micro glass spheres in its composition make its surface warmer and contribute insulation.

Fields of Application

- On interiors, suitably prepared new mineral surfaces such as concrete, mortar, cement panel, gypsum panel etc. and on old painted surfaces, putty. It is specially designed for humid areas. It can be used as a problem solver at humid areas like kitchens and bathrooms and thanks to its warmer surface compared to other paints, it is also recommended for baby sleeping rooms.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 0.88 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B bases using the Renk Bankası and the Renk Ustası
Packaging: 2.5 L and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: Recoatable after 4-6 hours and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Approx. 0.06 - 0.1 L/m² per coat.
Application Tools: Brush, Roller

Performance Data

TS EN 13300	Class
Gloss	Full matt
Grain Size	Fine
Contrast Ratio	Class 2 (3.5 m ² /L)
Wet Scrub Resistance	Class 2



5161 Suten Satin, Water Based Interior Wall Paint

Acrylic emulsion based, perfectly scrub resistant, easy to clean, satin textured, silky gloss wall paint.

Fields of Application

- On suitably prepared new mineral interior surfaces such as concrete, mortar, cement panel, gypsum panel etc., on putty and on old painted interior surfaces.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.28 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B, C bases using the Renk Bankası and the Renk Ustası
Packaging: 2.5 L, 7.5 L and 15 L pails. 2.5 L packages packed together in 4s.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.09 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment.

Performance Data

TS EN 13300	Class
Gloss	Semi matt
Grain Size	Fine
Contrast Ratio	Class 2 (7 m ² /L)
Wet Scrub Resistance	Class 1



5181 Tavan Plastiği Water Based Ceiling Paint

Acrylic emulsion based ceiling paint.

Fields of Application

- On suitably prepared new mineral ceilings (concrete, mortar, cement panel etc.) or on old painted ceilings.

General Data

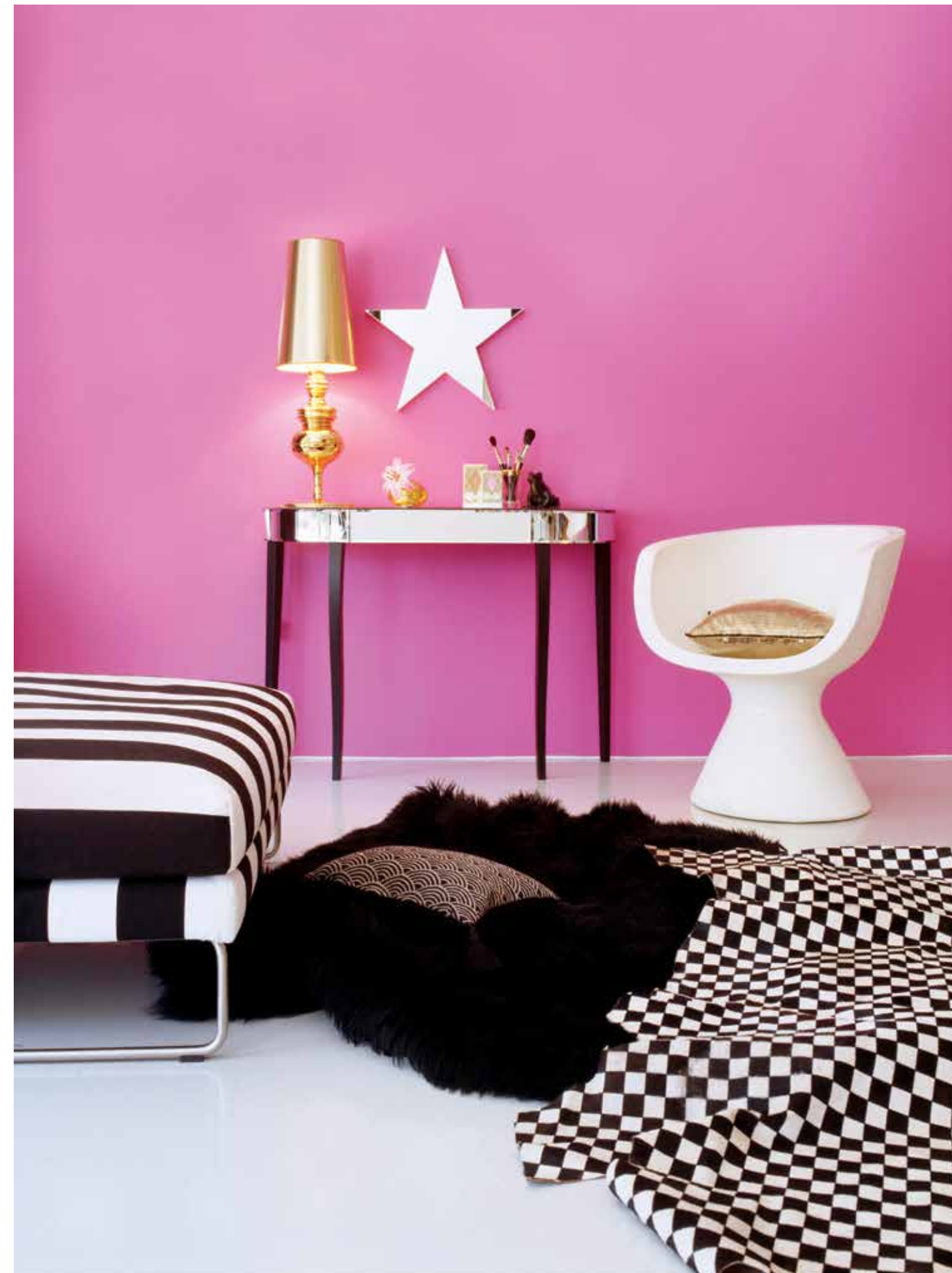
Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.80 g/cm³
Colours: White. Tintable by Renk Ustası
Packaging: 3.5 kg, 10 kg, 17.5 kg and 20 kg pails. 3.5 kg packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: Recoatable after 2 hours and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Approx. 0.14-0.18 kg/m² in one coat, depending on the evenness and the porosity of the surface
Application Tools: Brush, Roller, Airless spraying equipment.

Performance Data

TS EN 13300	Class
Gloss	Matt
Grain Size	Fine
Contrast Ratio	Class 2 (6 m ² /L)
Wet Scrub Resistance	Class 5



Decorative Products



Products

- İS7ANBUL Sedef
- İS7ANBUL Metalik
- İS7ANBUL Reflekte
- İS7ANBUL Stucco Satine
- İS7ANBUL Orion
- İS7ANBUL Aura
- İS7ANBUL Figura Fino
- Cemento
- İS7ANBUL Antique
- İS7ANBUL Antique Coat
- Artcrete
- Artcrete Coat
- Artcrete Color Mix
- Glass Plaster
- Betonart
- Betonart Loft
- Betonart Fresh
- Vitray Lak
- Vitray Fon

Decorative Products



5320 IS7ANBUL Sedef Decorative Interior Paint with Pearl Effect

Acrylic emulsion based decorative interior paint with pearl effect.

Fields of Application

- On interiors suitably prepared new mineral surfaces such as mortar, concrete, cement panel, gypsum panel etc, on old painted surfaces, glass textile, putty and wall paper to create a decorative effect and on wood and metal surfaces for hobby purposes.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: 9 colours in IS7ANBUL Sedef Colour Chart. Tintable by Renk Ustasi
Density: Approx. 1.06 g/cm³
Packaging: 1 kg, 2.5 kg and 15 kg pails. 1 kg and 2.5 kg packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Tack-free time 30 minutes and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Application Tools: Brush, Roller, Airless spraying equipment, decorative application tools (sponge, spatula, etc.)
Consumption: Depending on the evenness and the porosity of the surface approximately 0.06-0.16 kg/m² per coat.



5321 IS7ANBUL Metalik Decorative Interior Paint with Metallic Effect

Acrylic emulsion based decorative interior paint with metallic effect.

Fields of Application

- On interiors suitably prepared new mineral surfaces such as mortar, concrete, cement panel, gypsum panel etc, on old painted surfaces, glass textile, putty, and wallpaper to create a decorative effect.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: 5 colours in IS7ANBUL Metalik Colour Chart. Colour Silver is tintable with Renk Ustasi.
Density: Approx. 1.05 g/cm³
Packaging: 1 kg and 2.5 kg pails. 1 kg and 2.5 kg packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Tack-free time 30 minutes and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Application Tools: Brush, Roller, Airless spraying equipment, decorative application tools (sponge, spatula, etc.)
Consumption: Depending on the evenness and the porosity of the surface approximately 0.07-0.20 kg/m².



5322 IS7ANBUL Reflekte Decorative Interior Paint with Iridescent Effect

Acrylic emulsion based decorative interior paint with iridescent effect.

Fields of Application

- On interiors suitably prepared new mineral surfaces such as mortar, concrete, cement panel, gypsum panel etc, on old painted surfaces, glass textile, putty and wall paper to create a decorative effect and on wood surfaces for hobby purposes.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: 4 colours in IS7ANBUL Reflekte Colour Chart.
Density: Approx. 1.06 g/cm³
Packaging: 1 kg and 2.5 kg pails. 1 kg and 2.5 kg packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Tack-free time 30 minutes and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Application Tools: Brush, Roller, Airless spraying equipment, decorative application tools (sponge, spatula, etc.)
Consumption: Depending on the evenness and the porosity of the surface approximately 0.06-0.16 kg/m².



5326 IS7ANBUL Stucco Satine Marble Effect Decorative Interior Paint

Acrylic emulsion based decorative interior paint with marble effect.

Fields of Application

- Acrylic emulsion based decorative interior paint with marble effect.

General Data

Thinner: Water
Colours: Colors in IS7ANBUL Stucco Satine color chart and thousands of colors possible by using Renk Ustasi
Density: Approx. 1.7 g/cm³
Packaging: 5 kg, 10 kg ve 15 kg plastic pails. 5 kg packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Tack-free time 1-2 hours. Thoroughly dry 4-6 hours. Lower temperature and/or higher relative humidity will lengthen the drying process.
Application Tools: Steel Trowel, Spatula
Consumption: Depending on the evenness and the porosity of the surface approximately 0.3-0.5 kg/m²



5318 IS7ANBUL Orion Decorative Interior Paint with Metallic Sandy Effect

Acrylic emulsion based decorative interior paint with metallic sandy effect.

Fields of Application

- On interiors suitably prepared new mineral surfaces such as mortar, concrete, cement panel, gypsum panel etc, on old painted surfaces, glass textile, putty and wall paper to create a decorative effect and on wood and metal surfaces for hobby purposes.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Colors in IS7ANBUL Orion color chart and tintable by Renk Ustasi.
Density: Approx. 1.37 g/cm³
Packaging: 1 kg, 2.5 kg and 5 kg pails. 1 kg and 2.5 kg packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Tack-free time 1-2 hours and thoroughly dry after 4-6 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Application Tools: Brush, Effect Trowel
Consumption: Depending on the evenness and the porosity of the surface approximately 0.3-0.5 kg/m²



5319 IS7ANBUL Aura Decorative Interior Paint with Velvet Pearl Effect

Acrylic emulsion based decorative interior paint with velvet pearl effect.

Fields of Application

- On interiors suitably prepared new mineral surfaces such as mortar, concrete, cement panel, gypsum panel etc, on old painted surfaces, glass textile, putty and wall paper to create a decorative effect and on wood and metal surfaces for hobby purposes.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Colors in IS7ANBUL Aura color chart and tintable by Renk Ustasi.
Density: Approx. 1.15 g/cm³
Packaging: 1 kg, 2.5 kg and 5 kg pails. 1 kg and 2.5 kg packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Tack-free time 1-2 hours and thoroughly dry after 4-6 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Application Tools: Effect Trowel
Consumption: Depending on the evenness and the porosity of the surface approximately 0.2-0.3 kg/m²

Decorative Products

NEW



5316 IS7ANBUL Figura Fino Water Based Decorative Interior Putty

Acrylic emulsion based, ready-to-use, interior decoration putty that allows various aesthetic results, two and three dimensional decorative textures, effects and patterns in fine structure.

Fields of Application

- On suitably prepared interiors such as concrete, mineral plaster, gypsum and plasterboard surfaces etc., before the top coat or finish paint.

General Data

Composition: Acrylic emulsion based
Thinner: Water, if necessary
Colours: Off-White and tintable with Renk Ustasi
Packaging: 5 kg and 25 kg pails. 5 kg packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Thoroughly dry after 24 hours.
 Lower temperatures and/or higher relative humidity will lengthen the drying process.
Application Tools: Spatula, Brush, Elastic stainless steel trowel
Consumption: Depending on the evenness and the porosity of the surface approximately 0.5 - 1.2 kg/m²

NEW



5045 Cemento Decorative Coating with Soft Concrete Appearance

Soft concrete looking decorative coating material with mineral based white and grey color alternatives.

Fields of Application

- On suitably prepared interiors such as concrete, mineral plaster, gypsum and plasterboard surfaces old painted surfaces, fixed plywood, putty and wallpaper on the interior facade.

General Data

Composition: Mineral based
Appearance: Powder
Colours: White and Grey
Packaging: 15 kg pail (including three 5 kg PE bags)

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixture Ratio: White: 4.2 - 4.8 L water/15 kg powder (1.4 - 1.6 L water/5 kg powder)
 Grey: 3.6 - 4.2 L water/15 kg powder (1.2 - 1.4 L water/5 kg powder)
Pot Life: Avg. 3 hours
Expiration: 24 hours
Recoat: 2-3 hours
 Lower temperatures and/or higher relative humidity will lengthen the drying process.
Application Tools: Spatula, Elastic stainless steel trowel
Consumption: Approx. 1 kg/m² for 1 mm thickness

Performance Data

Flexural Strength (EN 1015-11): ≥ 3.0 N/mm² (28 days)
Compressive Strength (EN 1015-11): ≥ 6.0 N/mm² (28 days) (CS IV)
Adhesion Strength (EN 1015-12): ≥ 0.8 N/mm² (28 days) FP-B
Capillary Water Absorption (EN 1015-18): ≤ 0.4 kg/m² min^{0.5} (Wc1)
Service Temperature: (-30°C) - (+80°C)
Reaction to Fire: Class A1



5324 IS7ANBUL Antique Coat Rustic Effect Final Coat Sealer

Transparent, semi-matt, final coat sealer specially designed as the final coat of travertine look mineral based decorative coating, IS7ANBUL ANTIQUE to give rustic effect.

Fields of Application

- On totally cured IS7ANBUL ANTIQUE applied surfaces after tinting with RENK USTASI and also on absorbent mineral surfaces such as mortar, gypsum, gypsum panel, putty etc. to give rustic effect.

General Data

Composition: Acrylic emulsion based
Density: Approx. 1.0 g/cm³
Thinner: Water
Packaging: 1 L and 3 L plastic pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Thoroughly dries in 24 hours.
 Lower temperatures and/or higher relative humidity will lengthen the drying process.
Application Tools: Roller, brush, sponge
Consumption: Depending on the desired effect and porosity of the surface approximately 0.10 - 0.15 L/m²

NEW



5044 IS7ANBUL Antique Travertine Effect Decorative Coating

Mineral based travertine effect decorative coating.

Fields of Application

- On suitably prepared interior mineral surfaces such as concrete, mortar, cement panel, gypsum panel, etc. and old painted surfaces, putty in order to give a travertine effect.

General Data

Composition: Mineral based
Appearance: Powder
Colours: White and Grey
Packaging: 5 kg polyethylene and 15 kg multi-ply bags.

Application Data

Application Temperature Range: (+10°C) - (+30°C)
Mixture Ratio: 4.2-4.5 L water / 15 kg powder 1.4-1.5 L water / 5 kg powder
Pot Life: 120 minutes
Drying Time: Thoroughly dry after 24 hours. Waiting time between coats 5 - 6 hours
 Lower temperatures and/or higher relative humidity will lengthen the drying process.
Powder Consumption: Depending on the evenness and porosity of the surface total of approx. 1.75-2.5 kg/m²
Application Tools: Stainless steel trowel

Performance Data

Compressive Strength (EN 1015-11): ≥ 6.0 N/mm² (28 days) (CS IV)
Tensile Adhesion Strength (EN 1015-12): > 0.50 N/mm² (28 days)-FP-B
Water Absorption (EN 1015-18): ≤ 0.4 kg/m² min^{0.5} (Wc1)
Service Temperature Range: (-30°C) - (+80°C)
Thermal Conductivity (TS EN 1745): ≤ 0.53 W/m.K; (Table value; P=50%)
Water Vapor Permeability (EN 1015-19): ≤ 20 μ



5328 Artcrete Mineral Based Marble Effect Decorative Coating

Mineral based, marble effect decorative coating enriched by chemical additives.

Fields of Application

- On interior and exterior walls and on mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces, and on Kale SATEN ALÇI ASTARI primed gypsum surfaces or gypsum boards. When surface is protected as described in the Instruction for Use section in TDS, it can be used on exterior walls.



5329 Artcrete Coat Transparent Surface Protection Sealer

Opaque white colored, transparent, semi-matt surface protection sealer specially designed as the final coat for mineral based decorative coating ARTCRETE.

Fields of Application

- On totally cured ARTCRETE applied surfaces. Without tinting and thinning.

General Data

Composition: Cement based
Thinner: Water
Colours: White. Can be tinted by Renk Ustasi.
Application Thickness: Total of 2 - 4 mm in 2 or 3 coats.
Packaging: 20 kg multi-ply bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixture Ratio: 6.4-7.2 L water/20 kg powder
Drying Time: Sandpapered after 1 day. Thoroughly dry after 2 - 3 days
 Lower temperatures and/or higher relative humidity will lengthen the drying process.
Powder Consumption: Depending on the evenness and porosity of the surface total of approx. 1.5 kg/m²
Application Tools: Stainless steel trowel, decorative trowel
Pot Life: Approx. 80 minutes

Performance Data

Service Temperature: (-30°C) - (+80°C)
Bond Strength - Type of Break (TS EN 1015-12): 1.50 N/mm² - B after 28 days
Compressive Strength (TS EN 1015-11): ≥ 6 N/mm² CS IV after 28 days
Tensile Adhesion Strength (TS EN 1015-11): Min 6 N/mm² after 28 days
Bulk Density of Hardened Mortar (TS EN 1015-10): 1420 ± 100 kg/m³
Capillary Water Absorption (TS EN 1015-18): ≤ 0.20 kg/m² min^{0.5} - Wc2
Water Vapour Permeability (TS EN 1015-19): ≤ 30
Thermal Conductivity (TS EN 1745): ≤ 0.55 W/m.K (Table Value) P = 50%
Reaction to Fire (TS EN 13501-1): Class B

General Data

Composition: PU acrylic emulsion based
Colours: Off-white
Appearance after application: Transparent, Semi-matt
Density: Approx. 1.03 g/cm³
Packaging: 1 L plastic bottle.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Thoroughly dries and reaches rigidity in 7 days. Recoatable after 2 hours.
 Lower temperatures and/or higher relative humidity will lengthen the drying process
Application Tools: Brush, roller, sponge
Consumption: 0.10 - 0.15 L/m²

Decorative Products



5800 Artcrete Color Mix Pigment Paste Mix

Concentrated pigment paste with high tinting power, specially developed for Kale ARTCRETE Decorative Coating System.

Fields of Application

- Kale ARTCRETE is mixed with the required amount of Kale ARTCRETE COLOR MIX to obtain the desired color.

General Data

Colours: 14 standard RAL colors
Composition: Universal concentrated pigment paste
Packaging: 500 mL plastic bottle. Bottles are packed together in 4s.

Consumption for 20 kg ARTCRETE		
Color	Grams	ML
RAL 1015	59	35
RAL 1019	178	124
RAL 3009	1.782	1.186
RAL 5001	1.003	743
RAL 5007	394	287
RAL 7003	330	244
RAL 7006	527	383
RAL 7015	924	730
RAL 7035	25	20
RAL 7037	291	234
RAL 7044	49	37
RAL 8004	979	589
RAL 8028	2.086	1.509
RAL 9002	15	12



5028 Glass Plaster Glass Chip Ready Mixed Plaster

Acrylic emulsion based ready to use plaster with glass chips for interior and exterior use which can be applied by a trowel.

Fields of Application

- On exterior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces and also on interior surfaces for decorative purposes.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Available in 28 original colours
Texture: Contains glass chips
Packaging: Available in 25 kg pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 - 3 days. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness of the surface approximately 4.0 - 5.0 kg/m²
Application Tools: Steel trowel

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S4
Water Vapour Transmission	V1
Liquid Water Permeability	W3
CO ₂ Permeability	C0
Crack Bridging	A0



TS 7847



5041 Betonart Ready Mixed Plaster with Concrete Effect

Acrylic emulsion based, light, trowel applied, concrete effect interior decorative ready mixed plaster.

Fields of Application

- On interior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: In two colors, B183 and B185 and thousands of colors possible by Renk Ustasi.
Texture: Flat, ragged
Packaging: Available in 25 kg pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours. Thoroughly dry after 2 - 3 days. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness, the porosity of the surface and the desired texture 0.9-1.2 kg/m²
Application Tools: Steel and plastic trowel

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S3
Water Vapour Transmission	V2
Liquid Water Permeability	W3
CO ₂ Permeability	C0
Crack Bridging	A0

NEW



5042 Betonart Loft Concrete Look, Fine Texture, Ready to Use, Colored Plaster

Acrylic emulsion based, light, trowel applied, concrete effect with fine texture interior decorative ready mixed plaster.

Fields of Application

- On interior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces.

General Data

Composition: Acrylic emulsion based
Texture: Flat, ragged
Colours: In two colors, B183 and B185.
Thinner: Water
Packaging: Available in 25 kg pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours. Thoroughly dry after 2 - 3 days. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.5 - 1.2 kg/m²
Application Tools: Spatula, Elastic stainless steel trowel



5043 Betonart Fresh Ready Mixed Plaster Absorbing Bad Odour Concrete

Acrylic emulsion based, light, trowel applied, concrete effect interior decorative ready mixed plaster balancing humidity level and absorbing bad odor caused by smoke, fried food, etc.

Fields of Application

- On interior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces.

General Data

Composition: acrylic emulsion based
Thinner: Water
Colours: In two colors, B183 and B185.
Texture: Flat, ragged
Packaging: Available in 20 kg pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours. Thoroughly dry after 2 - 3 days. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness, the porosity of the surface and the desired texture 0.8 - 1.2 kg/m²
Application Tools: Steel and plastic trowel

Performance Data

Water Vapour Permeability: V1
Water Absorption: W1
Durability: NPD
Thermal Conductivity: 10=0.4 W / (m.K) (Table Value, P=90%)
Reaction to Fire: Class C
Dangerous Substances: See Safety Data Sheet



5230 Vitray Lak Multicolor Interior Coating System

Emulsion based, interior wall paint used as the top coat of Vitray, Multicolor Interior Coating System.

Fields of Application

- Following the application of decorative flakes and Vitray Fon - Multicolor Interior Coating System and also on all kinds of porous, highly absorbent surfaces such as concrete, mortar, gypsum, gypsum panel, putty, etc.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.05 g/cm³
Packaging: 2.5 L and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.120-0.18 L/m²
Application Tools: Brush, roller, airless spraying equipment

Decorative Products



5210 Vitray Fon Multicolor Interior Coating System

Emulsion based, interior wall paint used as the undercoat of Vitray, Multicolor Interior Coating System.

Fields of Application

- On interiors, suitably prepared new mineral surfaces such as concrete, mortar, cement panel, gypsum panel, metal surfaces primed with an anti corrosion primer etc. and on old painted surfaces.

General Data

Composition: Acrylic emulsion based

Thinner: Water

Density: Approx. 1.35 g/cm³

Packaging: 2.5 L and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)

Drying Time: Thoroughly dry after 24 hours.

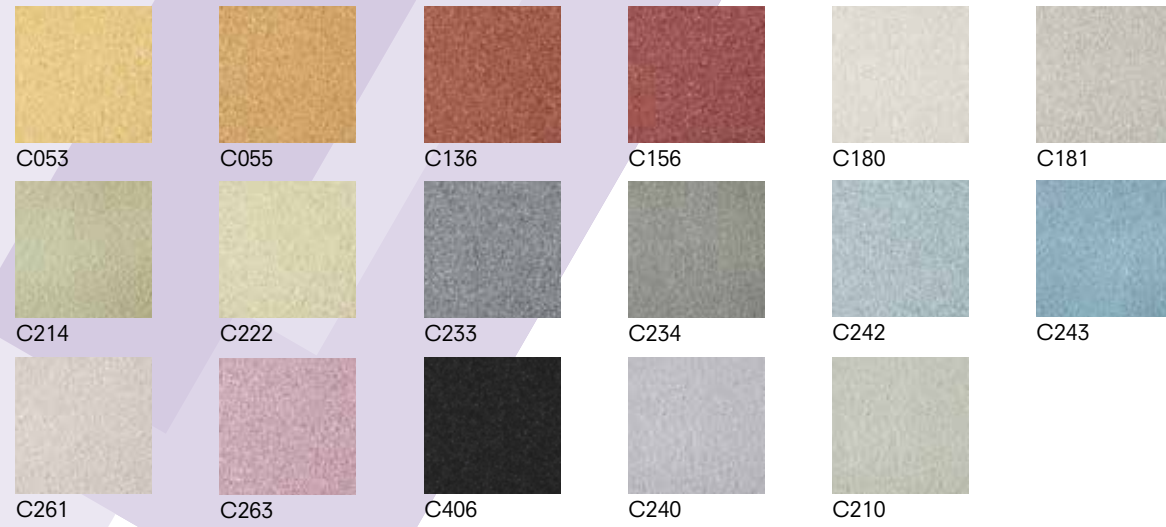
Lower temperatures and/or higher relative humidity will lengthen the drying process.

Consumption: Depending on the evenness and the porosity of the surface approximately 0.160 - 0.250 L/m²

Application Tools: Brush, roller, airless spraying equipment



Glass Plaster



Betonart & Betonart Fresh

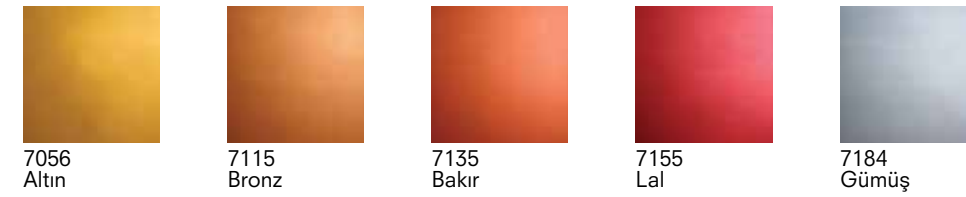


IS7ANBUL Sedef

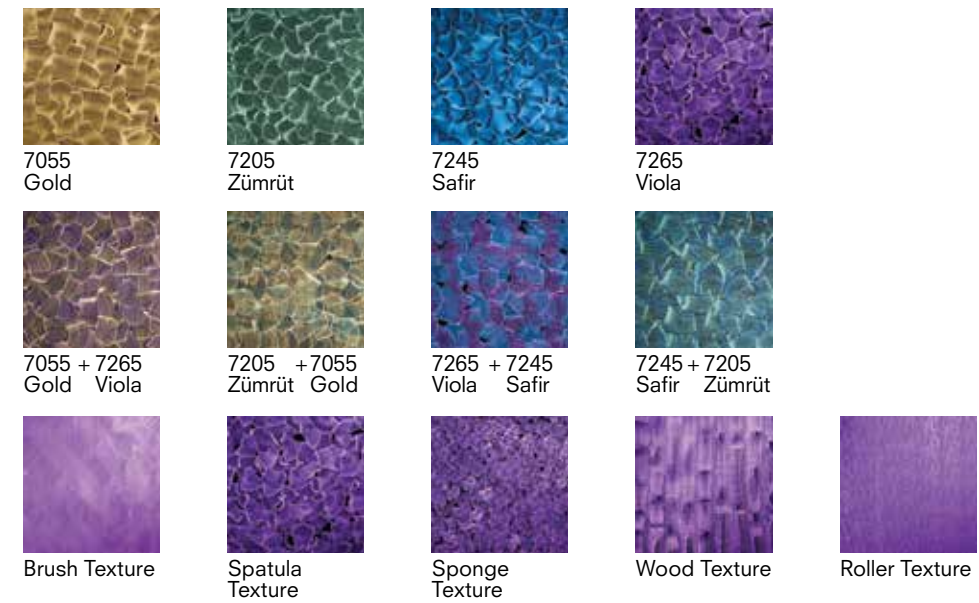


NOTICE! Due to printing techniques, there may be differences between color tones shown here and emerged after application.

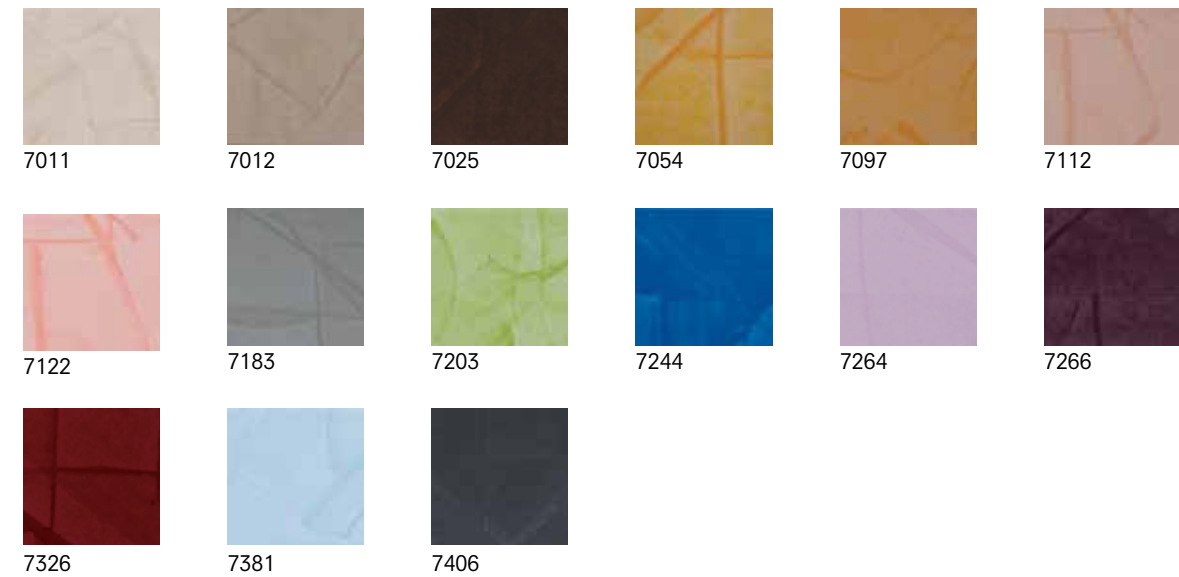
IS7ANBUL Metalik



IS7ANBUL Reflekte

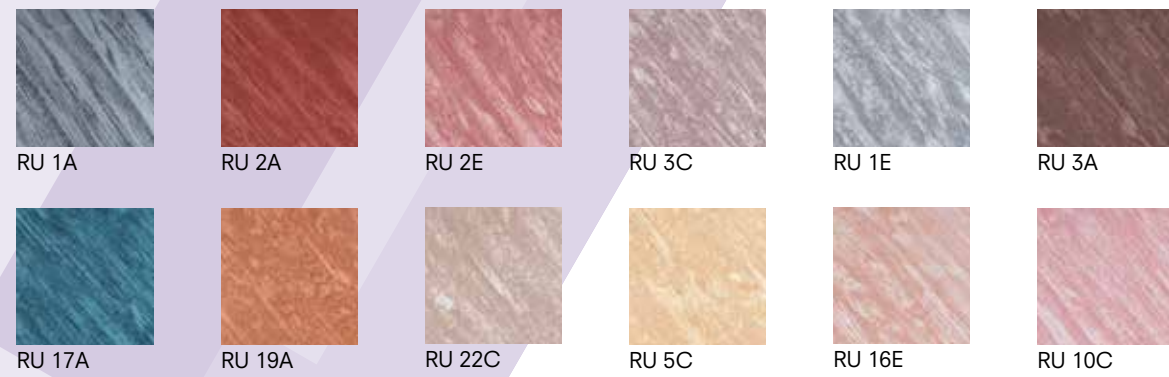


IS7ANBUL Stucco Satine



NOTICE! Due to printing techniques, there may be differences between color tones shown here and emerged after application.

IS7ANBUL Orion



IS7ANBUL Aura



NOTICE! Due to printing techniques, there may be differences between color tones shown here and emerged after application.

IS7ANBUL Antique



Artcrete



NOTICE! Due to printing techniques, there may be differences between color tones shown here and emerged after application.

Exterior Paint and Coatings



Products

- Protekta
- Performa NS
- Performa+
- Performa
- Joker Plus EXT
- Silikona E
- Silikonatex
- Supar

Exterior Paint and Coatings



CONTRIBUTES TO THERMAL INSULATION

5111 Protekta Ceramic Microspheres and Silicone Enhanced, Water Based Exterior Wall Paint

Ceramic microspheres and silicone enhanced, water impermeable, acrylic emulsion based, long lasting, matt, exterior wall paint.

Fields of Application

- On exterior mineral surfaces such as concrete, mortar, cement panel, etc. and on previously painted surfaces.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Thousands of colours possible from a mixture of white and A, B, C bases using Renk Bankası and Renk Ustası
Density: Approx. 1.52 g/cm³
Packaging: 2.5, 7.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface, approx. 0.120-0.130 L/m² in one coat.
Application Tools: Brush, Roller

Performance Data

TS EN 1062-1	Class
Gloss	G3
Grain Size	S1
Film Thickness	E3
Water Vapour Transmission	V1
Liquid Water Permeability	W3
Crack Bridging	A0
CO ₂ Permeability	C0



SUPER ELASTIC, 100% ACRYLIC

5113 Performa NS 100% Pure Acrylic, Super Elastic, Water Based Semi Matt Exterior Wall Paint

Pure acrylic emulsion based, super elastic, fully water impermeable, long lasting, breathable, alkaline resistant, exterior textured wall and semi-matt paint.

Fields of Application

- On exterior mineral surfaces such as concrete, mortar, cement panel, etc., and on previously painted surfaces.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Thousands of colours possible from a mixture of white and A, B, C bases using Renk Bankası and Renk Ustası.
Density: Approx. 1.28 g/cm³
Packaging: 2.5 L and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately Extured Pattern: 0.350 - 0.450 L/m² per coat.
 Flat Finish: 0.100 - 0.160 L/m² per coat (must be applied in 2 coats)
Application Tools: Brush, Roller, Airless spraying equipment

Performance Data

TS EN 1062-1	Class
Gloss	G2
Grain Size	S1
Film Thickness	E4
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A5
CO ₂ Permeability	C0



TS 7847



ELASTIC

5110 Performa+ Extra Elastic, Water Based Exterior Wall Paint

Elastic acrylic emulsion based, extra elastic, long lasting, water impermeable, exterior matt wall paint.

Fields of Application

- On exterior mineral surfaces such as concrete, mortar, cement panel, etc. and on previously painted surfaces.

General Data

Composition: Pure acrylic emulsion based
Thinner: Water
Colours: Thousands of colours possible from a mixture of white and A, B, C bases using the Renk Bankası and the Renk Ustası.
Density: Approx. 1.39 g/cm³
Packaging: 2.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface; 0.12-0.13 L/m²
Application Tools: Brush, Roller, Airless spraying equipment

Performance Data

TS EN 1062-1	Class
Gloss	G3
Grain Size	S1
Film Thickness	E2
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A2
CO ₂ Permeability	C0



5105 Performa Elastic, Water Based Exterior Wall Paint

Elastic acrylic emulsion based, elastic, water impermeable, matt, exterior wall paint.

Fields of Application

- On suitable prepared exterior mineral surfaces such as concrete, mortar, cement panel, etc. and on previously painted surfaces.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.41 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B, C bases using Renk Bankası and Renk Ustası.
Packaging: 2.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.200-0.300 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment

Performance Data

TS EN 1062-1	Class
Gloss	G4
Film Thickness	E4
Grain Size	S1
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO ₂ Permeability	C0



5122 Joker Plus EXT Silicone Enhanced, Water Based Exterior Wall Paint

Acrylic emulsion based, silicone enhanced, water repellent, long lasting exterior wall paint.

Fields of Application

- On exterior mineral surfaces such as concrete, mortar, cement panel and on previously painted surfaces.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Thousands of colours possible from a mixture of white and A, B, C bases by using Renk Bankası and Renk Ustası.
Density: Approx. 1.62 g/cm³
Packaging: 2.5, 7.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.120-0.130 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment

Performance Data

TS EN 1062-1	Class
Gloss	G3
Film Thickness	E3
Grain Size	S1
Water Vapour Transmission	V1
Water Permeability	W2
Crack Bridging	A0
CO ₂ Permeability	C0



TS 7847



5116 Silikona E Silicone Enhanced, Water Based Exterior Wall Paint

Acrylic emulsion based, water impermeable, long lasting, silicone enhanced exterior wall paint.

Fields of Application

- On exterior mineral surfaces such as concrete, mortar, cement panel, etc. and on previously painted surfaces.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.57 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B, C bases using the Renk Bankası and the Renk Ustası.
Packaging: 2.5 L, 7.5 L and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (-35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.130 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment

Performance Data

TS EN 1062-1	Class
Gloss	G4
Film Thickness	E3
Grain Size	S1
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO ₂ Permeability	C0

Exterior Paint and Coatings



5120 Silikonatex Silicone Enhanced, Elastic, Water Based Textured Coating

Acrylic emulsion based, water repellent, elastic, silicone enhanced, covering the surface defects with its thick and textured film feature, long lasting, exterior and interior textured coating.

Fields of Application

- On exterior mineral surfaces such as concrete, mortar, cement panel, etc, on previously painted surfaces and also on interior surfaces for decorative purposes.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Thousands of colours possible from a mixture of white and A, B, C bases using the Renk Bankasi and the Renk Ustasi
Texture: Roller textured
Packaging: 2.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness, the porosity of the surface and the desired texture, approx. 0.40 - 0.66 L/m² in one coat
Application Tools: Brush, Roller

Performance Data

TS EN 1062-1	Class
Grain Size	S3
Film Thickness	E4
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO ₂ Permeability	C0



5190 Supar Water Based, Glossy, Wood, Metal and Masonry Paint

Acrylic emulsion based, glossy, long lasting, decorative, exterior and interior wood, metal and wall paint.

Fields of Application

- On old or new exterior and interior mineral surfaces such as concrete, mortar, cement panel etc., on metal and wood.

General Data

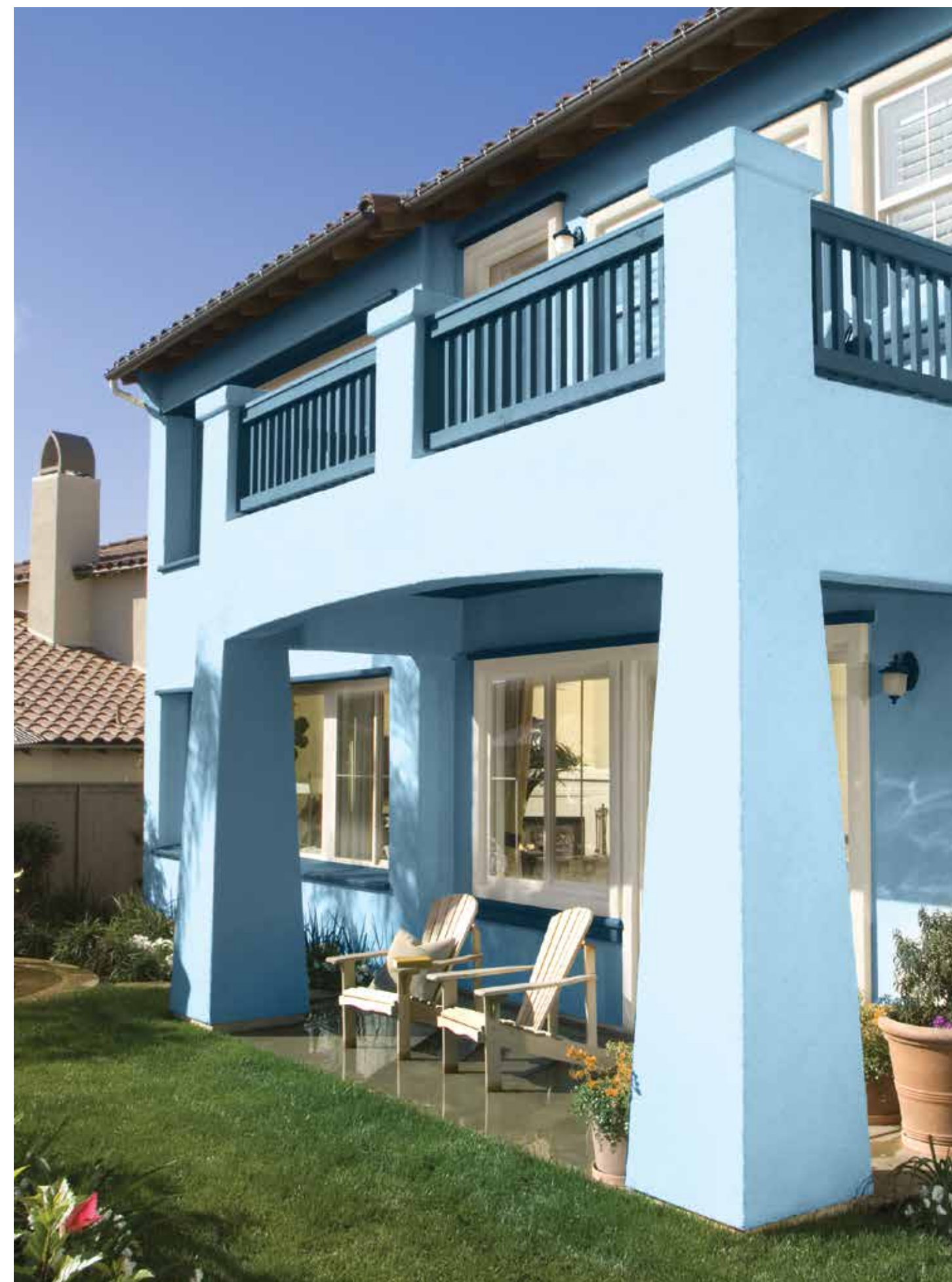
Composition: 100% Acrylic emulsion based
Thinner: Water
Colours: Thousands of colours possible from a mixture of white and A, B, C bases by using the Renk Bankasi and Renk Ustasi
Density: Approx. 1.15 g/cm³
Packaging: 0.75, 2.5, 7.5 and 15 L pails. 0.75 L and 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Approx. 0.04-0.06 L/m² in one coat, depending on the evenness and the porosity of the surface
Application Tools: Brush, Roller, Airless spraying equipment.

Performance Data

TS EN 1062-1	Class
Gloss	G1
Grain Size	S1
Film Thickness	E2
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO ₂ Permeability	C0



Decorative Plasters



Products

- Colorit
- Dekor Plus
- Grenart Micro
- Grenart Midi
- Renotex Plus
- Drewa
- Mikro Drewa

Decorative Plasters



5001 Colorit Silicone Enhanced, Fine, Striped Pattern Ready Mixed Plaster

Acrylic emulsion based, silicone enhanced, fine, striped pattern textured, trowel applied, ready mixed interior and exterior plaster

Fields of Application

- On exterior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces and also on interior surfaces for decorative purposes.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Available in 234 colours of the exterior colour chart. Tintable by Renk Ustasi.
Texture: Striped pattern
Packaging: Available in 25 kg pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 - 3 days
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness of the surface approximately 2.3 - 2.5 kg/m²
Application Tools: Steel and plastic trowel

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S4
Water Vapour Transmission	V1
Water Permeability	W3
Crack Bridging	A0
CO ₂ Permeability	C0



5006 Dekor Plus Silicone Enhanced, Elastic, Striped Pattern Ready Mixed Plaster

Acrylic emulsion based, elastic, striped pattern, silicone enhanced, coarse, ready mixed interior and exterior plaster.

Fields of Application

- On exterior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces and also on interior surfaces for decorative purposes.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Available in 234 colours of the exterior colour chart. Tintable by Renk Ustasi.
Texture: Striped pattern
Packaging: Available in 25 kg pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 - 3 days.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness of the surface approximately 3.3 - 3.5 kg/m²
Application Tools: Plastic trowel

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S4
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO ₂ Permeability	C0



TS 7847



5024 Grenart Micro Silicone Enhanced, Elastic, Ready Mixed Plaster

Acrylic emulsion based, trowel applied, fine textured, ready mixed exterior and interior plaster.

Fields of Application

- On exterior mineral surfaces such as concrete, mortar, cement panel, etc, on previously painted surfaces and also on interior surfaces for decorative purposes.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Available in 234 colours of the exterior colour chart. Tintable by Renk Ustasi.
Packaging: Available in 25 kg pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 - 3 days.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness of the surface approximately 2.2 - 2.8 kg/m²
Application Tools: Steel trowel

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S3
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO ₂ Permeability	C0



TS 7847



5026 Grenart Midi Silicone and Fiber Enhanced, Elastic, Ready Mixed Plaster

Acrylic emulsion based, silicone and fiber enhanced, elastic, coarse textured, ready mixed exterior and interior plaster.

Fields of Application

- On exterior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces and also on interior surfaces for decorative purposes.



TS 7847



5055 Renotex Plus Silicone Enhanced, Roller Applied Ready Mixed Plaster

Acrylic emulsion based, roller applied, fine, silicone enhanced, exterior and interior ready mixed plaster that can be applied in different thicknesses and textures by the use of a trowel or roller.

Fields of Application

- On exterior mineral surfaces such as concrete, mortar, cement panel, etc, on previously painted surfaces and also on interior surfaces for decorative purposes.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Available in 234 colours of the exterior colour chart. Tintable by Renk Ustasi.
Texture: Thick textured
Packaging: Available in 25 kg pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 - 3 days
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness of the surface approximately 2.4 - 2.9 kg/m²
Application Tools: Steel trowel

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S4
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO ₂ Permeability	C0

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Available in 234 original colours of the exterior colour chart. Tintable by Renk Ustasi
Texture: Roller textured
Packaging: Available in 25 kg pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 - 3 days.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on desired texture;
Fine Textures: 1.0 - 1.2 kg/m²
Coarse Textures: 1.0 - 2.0 kg/m²
Flat Textures: 1.7 - 2.0 kg/m²
Application Tools: Trowel, Roller

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S3
Water Vapour Transmission	V1
Water Permeability	W3
Crack Bridging	A0
CO ₂ Permeability	C0



5030 Drewa Natural Marble Chip Plaster

Acrylic emulsion based, coarse, ready mixed, interior and exterior, natural coloured marble chip plaster.

Fields of Application

- On exterior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces and also on interior surfaces for decorative purposes.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Available in natural colors in its color chart
Texture: Contains coarse, natural, colored marble chips
Packaging: Available in 25 kg pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 - 3 days.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: 4.0-5.0 kg/m²
Application Tools: Steel trowel

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S4
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO ₂ Permeability	C0



TS 7847

Decorative Plasters



5035 Mikro DREWA Natural Marble Chip Plaster

Acrylic emulsion based, trowel applied, fine, ready mixed, interior and exterior surfaces natural coloured marble chip plaster.

Fields of Application

- On exterior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces and also on interior surfaces for decorative purposes.



General Data

Composition: Acrylic emulsion based

Thinner: Water

Colours: Available in natural colors in its color chart.

Texture: Contains fine, natural, colored marble chips

Packaging: Available in 25 kg pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)

Drying Time: Surface dry after 24 hours and thoroughly dry after 2 - 3 days

Lower temperatures and/or higher relative humidity will lengthen the drying process.

Consumption: Depending on the evenness of the surface approximately 2.5 - 2.9 kg/m²

Application Tools: Stainless steel trowel

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S3
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO ₂ Permeability	C0

Texture and Colors of Drewa



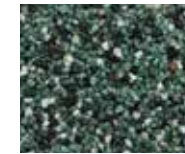
Drewa 0100



Drewa 0210



Drewa 0220



Drewa 0331



Drewa 0531



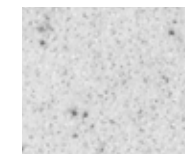
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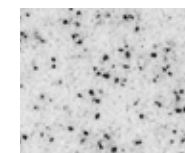
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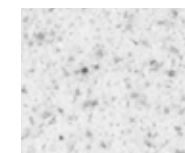
Drewa 0751



Drewa 1800



Drewa 0801



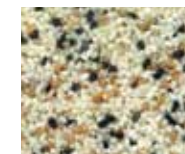
Drewa 0802



Drewa 0807



Drewa 0810



Drewa 0812



Drewa 0864



Drewa 1050



Drewa 1400



Drewa 1401



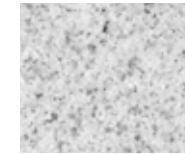
Drewa 1410



Drewa 1550



Drewa 1610



Drewa 1804



Drewa 1814



Drewa 1825



Drewa 1836



Drewa 1855

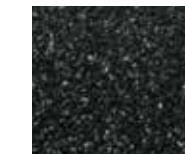


Drewa 4651



Drewa 8651

Texture and Colors of Mikro Drewa



Mikro Drewa 0100



Mikro Drewa 0210



Mikro Drewa 0220



Mikro Drewa 0231



Mikro Drewa 0331



Mikro Drewa 0531



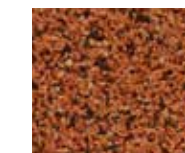
Mikro Drewa 0562



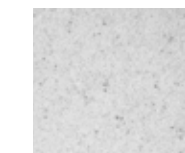
Mikro Drewa 0600



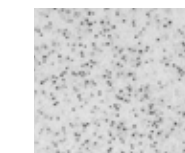
Mikro Drewa 0680



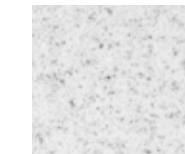
Mikro Drewa 0751



Mikro Drewa 1800



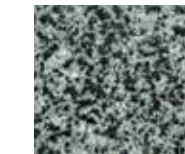
Mikro Drewa 0801



Mikro Drewa 0802



Mikro Drewa 0806



Mikro Drewa 0810



Mikro Drewa 0812



Mikro Drewa 0864



Mikro Drewa 1050



Mikro Drewa 1400



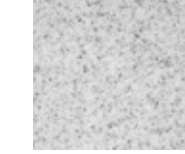
Mikro Drewa 1401



Mikro Drewa 1550



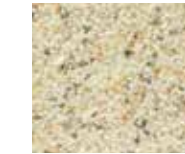
Mikro Drewa 1610



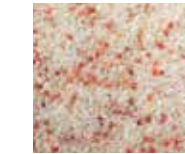
Mikro Drewa 1804



Mikro Drewa 1814



Mikro Drewa 1836



Mikro Drewa 1855



Mikro Drewa 4651

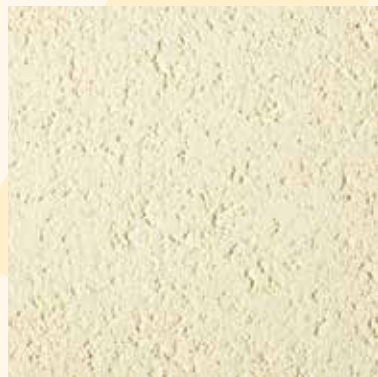


Mikro Drewa 8651

NOTICE! Due to printing techniques, there may be differences between color tones shown here and emerged after application.

Textures of Plasters

Grenart Midi



4062

Grenart Micro



4062

Silikonatex



4382

Dekor Plus



4204

Colorit



4204

Renotex Plus



4143



4064



4064



4384



4206



4206



4145

Surface Preparation Materials



Products

Üniastar
Anti Alkali Primer
Silastar
Saten Alçı Astarı
Macunart
İnce Akrilik Macun
Kalın Akrilik Macun

Surface Preparation Materials



5310 Üniastar Plaster and Paint Primer

Acrylic emulsion based, pigmented primer, suitable for priming the surfaces on which any type of water based decorative coatings will be applied.

Fields of Application

- Prior to emulsion based coating application on all kinds of exterior mineral surfaces such as concrete, plaster and cement panel etc., and on old painted surfaces.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.69 g/cm³
Colours: Available in white and 19 colours, tintable by using Renk Ustasi.
Packaging: 4 and 25 kg pails. 4 kg packages packed together in 2s

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Ready for the application of the final coating after 6 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.175 kg/m²
Application Tools: Brush, Roller, Airless spraying equipment.

NEW



5315 Anti Ankali Primer Efflorescence-Resistant Facade Paint Primer

Water and Acrylic polymer based, high alkali resistant, ready to use primer that strengthens the adhesion of all water based coating materials and increases the strength of the topcoat and shortens the time of the top coat application.

Fields of Application

- On exterior mineral surfaces such as concrete, mortar, cement panel, etc., also on painted surfaces.

General Data

Composition: Acrylic emulsion based
Density: Approx. 1.43 g/cm³
Colours: White and 19 colours by A, B, C bases and can be coloured by Renk Ustasi.
Packaging: 2.5 L and 15 L plastic pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry in min 3 hours, complete drying min 5 hours, application of the top coat min 3 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.1-0.12 L/m²
Application Tools: Roller, Brush, Spray gun



5335 Silastar Silicone Enhanced Primer

Silicone enhanced, acrylic emulsion based, pigmented primer with a high penetration for priming the surfaces on which any type of water based decorative coating will be applied.

Fields of Application

- Prior to emulsion based coating application on all kinds of porous, highly absorbent surfaces like concrete, plaster, gypsum, gypsum panel and putty etc., and on old painted surfaces.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.51 g/cm³
Colours: Available in white and 19 colours. Tintable by Renk Ustasi.
Packaging: 2.5, 7.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Ready for the application of the final coating after 6 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.090 L/m²
Application Tools: Brush, Roller, Airless spraying equipment



5337 Saten Alçı Astarı Satin Plaster Clear Primer

Acrylic emulsion based, ready to use, unpigmented primer for priming the surfaces on which any type of water based paint will be applied.

Fields of Application

- Satin plaster surfaces

General Data

Composition: Acrylic emulsion based
Colours: Clear
Thinner: Water
Packaging: 5 L and 20 L plastic barrels.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Ready for the application of the final coating after 6 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.090 L/m²
Application Tools: Brush, Roller paint, Airless spraying equipment.



4009 Macunart Cement Based, Water Resistant, Fine, Surface Smoothing Putty

Cement based, fine, white, surface smoothing putty formulated for smoothing the uneven concrete and mineral surfaces, filling up the hair cracks and for covering interior and exterior surface defects.

Fields of Application

- For smoothing the uneven concrete and mineral surfaces, for filling up the hair cracks and for covering the surface defects due to removal of blistered old coating.

General Data

Appearance: White powder
Shelf Life: 12 months when stored in the original sealed package
Packaging: Available in 5 kg polyethylene and 20 kg multi-ply paper bags.

Application Data

Water Mixing Ratio: 6.5 - 7.3 L water / 20 kg powder
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: Max. 3 hours
Waiting Time Between the Coats: 2 - 3 hours between coats. Lower temperature or higher relative humidity will lengthen the drying process.
Application Tools: Stainless steel trowel
Consumption: Depending on the evenness and the porosity of the surface approximately 0.5-1.0 kg for 1 mm. Application thickness. Application should be held in maximum 3 mm.

Performance Data

Compression Strength: ≥ 10 N/mm²
Bond Strength by pull-off: ≥ 0.8 N/mm²
Reaction to Fire: A1



TS EN 1504-3



5510 İnce Akriilik Macun Water Based, Fine, Surface Smoothing Putty

Acrylic copolymer emulsion based surface smoothing putty formulated at an optimum thickness to cover the common surface defects on interiors.

Fields of Application

- Surface smoothing putty; for smoothing the concrete and cementitious plastered rough surfaces, for filling up the hair cracks and for covering the surface defects appeared due to removal of blistered old coating.

General Data

Composition: Acrylic copolymer emulsion
Thinner: Water
Colours: Off White
Packaging: 5 kg and 25 kg pails. 5 kg packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Thoroughly dry after 24 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Application Tools: Spatula, Elastic stainless steel trowel.
Consumption: 0.5-1.5 kg/m²

Surface Preparation Materials



5520 Kalın Akrilik Macun Water Based, Thick Surface Smoothing Putty

Acrylic copolymer emulsion based surface smoothing putty formulated at an optimum thickness to cover the common surface defects of exteriors.

Fields of Application

- Surface smoothing putty; for smoothing the concrete and cementitious, plastered rough surfaces, for filling up the hair cracks and for covering the surface defects appeared due to removal of blistered old coating.
- For exterior uses, white cement at 20% of putty weight should be added.

General Data

Composition: Acrylic copolymer emulsion

Colours: Off White

Packaging: 5 kg and 25 kg pails. 5 kg packages packed together in 2s.

Application Data

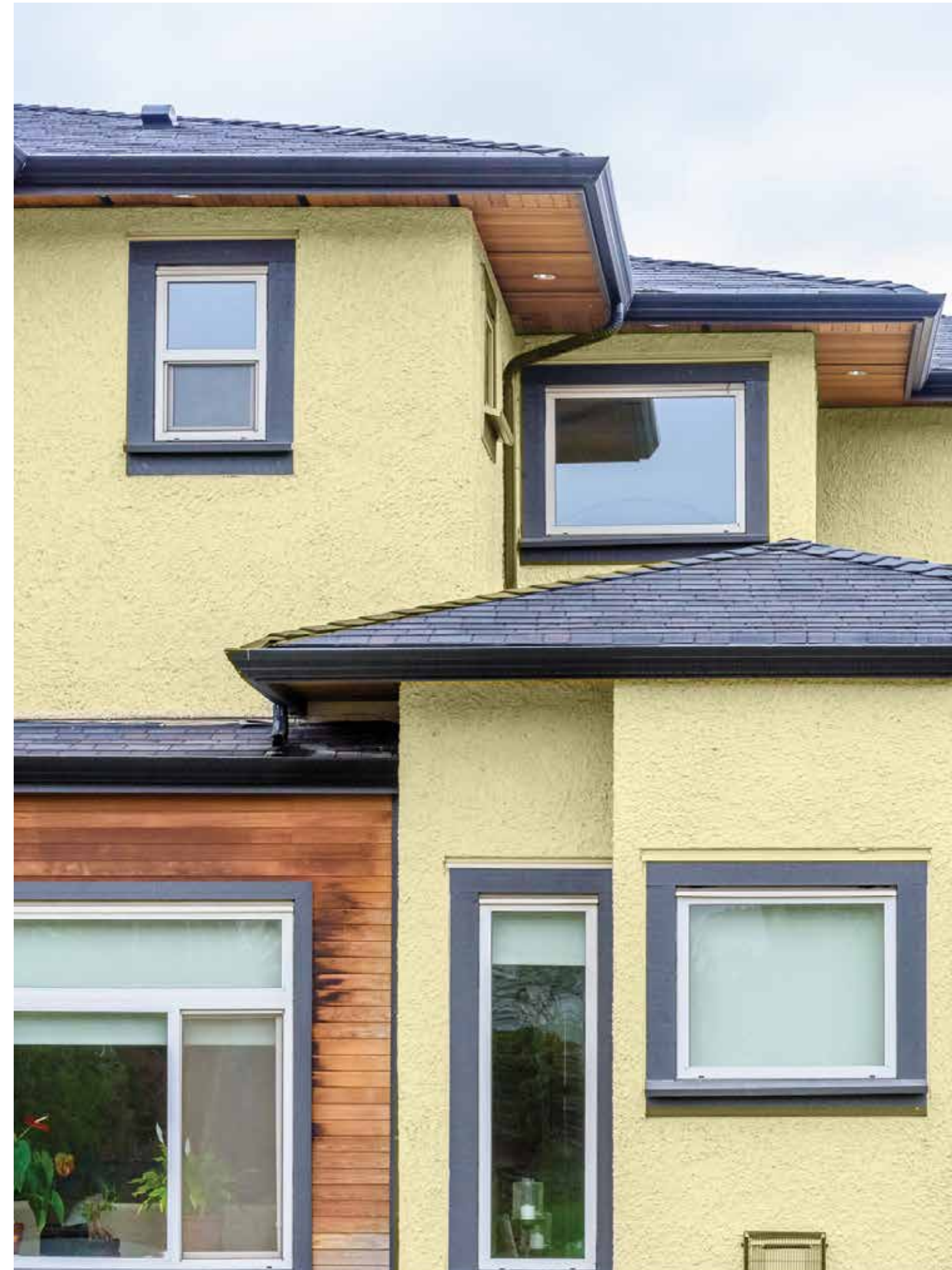
Application Temperature Range: (+5°C) - (+35°C)

Drying Time: Thoroughly dry after 24 hours.

Lower temperatures and/or higher relative humidity will lengthen the drying process.

Consumption: Depending on the evenness and the porosity of the surface approximately 1.2 - 2.2 kg/m²

Application Tools: Spatula, Elastic stainless steel trowel.



Tinting System

Products

Renk Ustası
Renklendirici

Tinting System



5700 Renk Ustasi Universal Tinting System

Manual tinting system allows anybody to create his own color by adding any of 24 different, light fast, universal, concentrated pigment pastes, offered in dropper bottles into a white paint/coating material chosen.

Fields of Application

- For tinting water and solvent based white decorative paints, plasters, primers, water based White industrial paints and transparent / clear coatings, varnishes, lacquers, wood stains.

General Data

Colour: 24 colours

Composition: Concentrated pigment paste

Packaging: 20 mL, 150 mL dropper bottles.
20 mL packages are packed in 10s.
150 mL packages are packed in 4s.



5600 Renklendirici Universal Concentrated Pigment Paste

Universal concentrated pigment paste with a high degree of resistance to light and changing weather conditions developed to be used in an automatic tinting system named RENK BANKASI. Color strength and consistency of Renklendirici are adjusted very sensitively.

Fields of Application

- In automatic tinting system, RENK BANKASI.

General Data

Colour: 16 colours

Composition: Concentrated pigment paste

Packaging: In 1 L plastic bottles which are packed in 6s.



Saving is in its Chemistry!

Solution, comfort, economy!

Thermal Insulation Applications



Products

Carbon EPS Thermal Insulation Board
White EPS Thermal Insulation Board
XPS Thermal Insulation Board
Stone Wool Thermal Insulation Board

Foamtech

Mantotech

Foamplast

Mantoplast

Mantomix

Mantostone

Minart Silver 100

Minart Silver 200

Minart Silver 300

Minart Dekor 300

Minart Pro 300

Kalekim Thermal Insulation System Accessories

Kalekim Thermal Insulation Components

Thermal Insulation Applications



Kalekim Carbon EPS Thermal Insulation Board

Kalekim Carbon EPS thermal insulation board is a gray EPS Thermal Insulation Board that is manufactured out of Expanded Polystyrene.

Fields of Application

- Thermal insulation on exterior and interior walls of buildings.
- It is used for sheathing within thermal insulation systems.



Technical Specifications (23°C and 50% RH)

Standart: TS EN 13163

Thermal Conductivity Value: ≤ 0.032 W/mK

Fire Resistance: According to EN 13501-1 Class E

Density: 16 kg/m³

Dimensional Consistency: $\pm 0.2\%$ DS (N) 2

Compression Resistance (min.) (10% deformation): CS (10) 60

Tensile Strength Perpendicular to The Surface: TR100

Long Term Water Absorption Under Total Immersion: WL (T) 5

Vapour Diffusion Resistance Coefficient (μ): 20-40

Flexural Strength: ≥ 115 kPa

Dimensions

Length: 1.000 mm

Width: 500 mm

Thickness: 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120 mm



Kalekim Stone Wool Thermal Insulation Board

Kalekim Stone Wool Thermal Insulation Board is built by melting locally procured basalt, an inorganic material, at 1350°C -1400°C and turning it into fibers to provide thermal, sound and fire insulation.

Fields of Application

- Thermal insulation on exterior and interior walls of buildings.
- It is used for sheathing within thermal insulation systems.



Technical Specifications (23°C and 50% RH)

Thermal Conductivity Value: ≤ 0.035 W/mK

Fire Resistance: According to EN 13501-1 Class A1

Density: 150 kg/m³

Thickness Tolerance Range: T5-1+3 mm

Compression Resistance (min.) (10% deformation): CS (10) 50

Tensile Strength: TR15 ≥ 15 kPa

Long Term Water Absorption Under Total Immersion: WL (P) ≤ 3 kg/m²

Vapour Diffusion Resistance Coefficient (μ): $\mu 1$

Melting Point: T1 $> 1000^\circ\text{C}$

Dimensions

Length: 1.200 mm

Width: 600 mm

Thickness: 30, 40, 50, 60, 70, 80, 90, 100, 110, 120 mm



Kalekim White EPS Thermal Insulation Board

Kalekim White EPS thermal insulation board is a White EPS Thermal Insulation Board that is manufactured out of Expanded Polystyrene.

Fields of Application

- Thermal insulation on exterior and interior walls of buildings.
- It is used for sheathing within thermal insulation systems.



Technical Specifications (23°C and 50% RH)

Standart: TS EN 13163

Thermal Conductivity Value: ≤ 0.038 W/mK

Fire Resistance: According to EN 13501-1 Class E

Density: 16 kg/m³

Dimensional Consistency: $\pm 0.2\%$ DS (N) 2

Compression Resistance (min.) (10% deformation): CS (10) 60

Tensile Strength Perpendicular to The Surface: TR100

Long Term Water Absorption Under Total Immersion: WL (T) 5

Vapour Diffusion Resistance Coefficient (μ): 20-40

Flexural Strength: ≥ 115 kPa

Dimensions

Length: 1.000 mm

Width: 500 mm

Thickness: 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120 mm



1057 Foamtech Insulation Board Adhesive

Cement-based thermal insulation board adhesive.

Fields of Application

- Interior and exterior walls of all buildings; adhesion of XPS, EPS and Stone Wool thermal insulation boards.



General Data

Colour: Grey powder

Shelf Life: 12 months when stored in the original sealed packing in a dry place.

Application Tools: Notched trowel, trowel

Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)

Pot Life: 3 hours

Mixing Ratio: 5.5 - 6 lt water / 25 kg powder

Consumption: 4-5 kg/m²

Performance Data (at 23°C and 50% RH)

Adhesion to the Thermal Insulation Board: Min. 0.08 N/mm²

Water Absorption: 30 dk. max. 5 gr / 240 dk. max. 10 gr

Flexural Strength (EN 1015-11): Min. 2 N/mm²

Compressive Strength (EN 1015-11): Min. 6 N/mm²

Adhesive Strength of Hardened Rendering and

Plastering Mortars (EN 1015-12): Min. 0.5 N/mm²



Kalekim XPS Thermal Insulation Board

Kalekim XPS insulation board is a blue extruded polystyrene insulation material developed for exterior insulation applications.

Fields of Application

- Thermal insulation on exterior and interior walls of buildings.
- It is used for sheathing within thermal insulation systems.



Technical Specifications (23°C and 50% RH)

Thermal Conductivity Value: ≤ 0.031 W/mK

Fire Resistance: According to EN 13501-1 Class E

Compression Resistance (min.) (10% deformation): CS (10/y) 200 kPa

Tensile Strength: TR200

Water Vapour Diffusion Resistance Coefficient (μ): 100

Dimensions

Length: 1.200 mm

Width: 600 mm

Thickness: 40, 50, 60, 70, 80, 90, 100, 110, 120 mm



1169 Mantotech Insulation Board Adhesive

Cement-based thermal insulation board adhesive.

Fields of Application

- Interior and exterior walls of all buildings; adhesion of XPS, EPS and Stone Wool thermal insulation boards.



TS 13566 / June 2013

General Data

Colour: Grey powder

Shelf Life: 12 months when stored in the original sealed packing in a dry place.

Application Tools: Notched trowel, trowel

Packaging: 25 kg multi-ply paper bag

Application Data

Application Temperature Range: (+5°C) - (+35°C)

Pot Life: 3 hours

Mixing Ratio: 5.5 - 6 lt water / 25 kg powder

Consumption: 4-5 kg/m²

Performance Data (at 23°C and 50% RH)

Adhesion to the Thermal Insulation Board (EN 13494): Min. 0.10 N/mm²

Water Absorption (EN 12808-5): 30 dk. max. 5 gr / 240 dk. max. 10 gr

Flexural Strength (EN 1015-11): Min. 2 N/mm²

Compressive Strength (EN 1015-11): Min. 10 N/mm²

Adhesive Strength of Hardened Rendering and

Plastering Mortars (EN 1015-12): Min. 0.7 N/mm²

Thermal Insulation Applications



4057 Foamplast Cement - Based Insulation Board Plaster

Cement-based thermal insulation board plaster.

Fields of Application

- Interior and exterior walls of all buildings; adhesion of XPS, EPS and Stone Wool thermal insulation boards.



TS 13687:2016
T1: April 2019

General Data

Colour: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel trowel
Pot Life: 3 hours
Mixing Ratio: 6 - 6.5 lt water / 25 kg powder
Consumption: 1.7 kg/m²/mm

Performance Data (at 23°C and 50% RH)

Flexibility: High
Adhesion to the Thermal Insulation Board (EN 13494): Min. 0.08 N/mm²
Water Absorption (EN 1015-18): ≤ 0.40 kg/m² dk^{0.5} W2
Flexural Strength (EN 1015-11): Min. 2 N/mm²
Compressive Strength (EN 1015-11): Min. 6 N/mm²
Water Vapor Permeability Coefficient (μ) (EN 1015-19): Max. 15



4169 Mantoplast Insulation Board Plaster

Cement-based thermal insulation board plaster.

Fields of Application

- Interior and exterior walls of all buildings; adhesion of XPS, EPS and Stone Wool thermal insulation boards.



TSE 13687: 2016: April
2019 (February 2017)

General Data

Colour: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg paper bags.

Application Data

Consumption: 1.7 kg/m²/mm
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel trowel
Pot Life: 3 hours
Mixing Ratio: 6- 6.5 lt water / 25 kg powder

Performance Data (at 23°C and 50% RH)

Flexibility: High
Adhesion to the Thermal Insulation Board (EN 13494): Min. 0.10 N/mm²
Water Absorption (EN 1015-18): ≤ 0.2 0 kg/m² dk^{0.5} W2
Flexural Strength (EN 1015-11): Min. 2 N/mm²
Compressive Strength (EN 1015-11): Min. 10 N/mm²
Water Vapor Permeability Coefficient: Max.15



3601 Mantomix Insulation Board Adhesive and Plaster

Cement-based thermal insulation board adhesive and general-purpose interior/exterior plaster.

Fields of Application

- Interior and exterior walls of all buildings; adhesion of XPS, EPS and Stone Wool thermal insulation boards.

General Data

Colour: Gray-White Powder
Shelf Life: 12 months when stored in the original sealed packaging in dry place.
Packaging: 25 kg multi-ply paper bags

Application Data

Consumption: 4-5 kg/m²
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel trowel
Pot Life: 3 hours
Mixing Ratio: 6- 6.5 lt water / 25 kg powder

Performance Data	EN 998-1	TS 13566
Adhesion to the Thermal Insulation Board(EN 13494)	—	Min 0.08 N/mm ²
Water Absorption (EN 1015-18)	≤ 0.40 kg/m ² dk ^{0.5} W2	—
Water Absorption (EN 12808-5)	—	30 dk. Max. 5 gr 240 dk max 10 gr
Compressive Strength (EN 1015-11)	≥ 6 N/mm ² CS IV	≥ 6 N/mm ²
Bonding Strength - Type of Break (EN 1015-12)	≥ 0.50 N/mm ² - B	≥ 0.5 N/mm ² - B
Bulk Density of Hardened Mortar (EN 1015-10)	1400 ± 100 kg/m ³	—
Water Vapor Permeability Coefficient (μ) (EN 1745)	5/20 (Table Value)	—
Water Vapor Permeability Coefficient (μ)	—	—
Flexural Strength (EN 1015-11)	—	Min. 2 N/mm ²
Thermal Conductivity (EN 1745)	0.44 W/mK (Table Value) (P=50%)	—
Reaction to Fire (EN 13501-1)	A1	A1
Temperature Resistance	(-30°C) - (+80°C)	(-30°C) - (+80°C)
Dangerous Substances	See SDS	See SDS



TS 13566 / June 2013



3602 Mantostone Light-Weight Adhesive and Plaster for Insulation Boards

Light adhesion and plaster mortar specially designed for stone wool thermal insulation systems.

Fields of Application

- Interior and exterior walls of all buildings; adhesion of XPS, EPS and Stone Wool thermal insulation boards.

40%
LIGHTER
ADHESIVE AND
PLASTER MORTAR

25%
LIGHTENS
THE THERMAL
INSULATION
SYSTEM BY 25%

40%
LOWER
WATER
ABSORPTION

LIGHT
EASY-TO-APPLY
AND MORE
PRACTICAL

Performance Data	EN 998-1	TS 13566
Adhesion to the Thermal Insulation Board(EN 13494)	—	Min 0.08 N/mm ²
Water Absorption (EN 1015-18)	≤ 0.20 kg/m ² dk W2	—
Water Absorption (EN 12808-5)	—	30 dk. Max. 5 gr 240 dk max 10 gr
Compressive Strength (EN 1015-11)	≥ 6 N/mm ² CS IV	≥ 6 N/mm ²
Bonding Strength - Type of Break (EN 1015-12)	≥ 0.50 N/mm ² - B	≥ 0.5 N/mm ² - B
Bulk Density of Hardened Mortar (EN 1015-10)	≤ 1000 kg/m ³ LW	—
Water Vapor Permeability Coefficient (μ) (EN 1745)	5/20 (Table Value)	—
Water Vapor Permeability Coefficient (μ)	—	—
Flexural Strength (EN 1015-11)	—	Min. 2 N/mm ²
Thermal Conductivity (EN 1745)	0.27 W/mK (Table Value)(P=50%)	—
Reaction to Fire (EN 13501-1)	A1	A1
Temperature Resistance	(-30°C) - (+80°C)	(-30°C) - (+80°C)
Dangerous Substances	See SDS	See SDS



TS EN 998-1 / 2017



4081 Minart Silver 100 Mineral Based Fine Textured Decorative Coating

Cement based, fine textured decorative exterior coating material.

Fields of Application

- Used on well plastered surfaces of exterior coating systems.



TS EN 998-1 (July 2011)

General Data

Colour: White
Composition: Cement based
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Consumption: 2.0 - 2.2 kg/m²
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel and plastic trowel
Mixing Ratio: 4.75 - 5.50 lt water / 25 kg powder

Performance Data (at 23°C and 50% RH)
Service Temperature Range: (-30°C) - (+80°C)
Compressive Strength (EN 1015-11): 3.5 - 7.5 N/mm² CS III
Compressive Strength / Class (EN 1015-11): ≥ 0.45 N/mm² / B
Bulk Density of Hardened Mortar (EN 1015-10): 1400 ± 100 kg/m³
Capillary Water Absorption - Class (EN 1015-18): ≤ 0.40 kg/m² dk^{0.5} - Wc1
Water Vapor Permeability Coefficient(μ) (TS EN 1015-19): < 15
Thermal Conductivity (EN 1745): ≤ 0.53 W/m.K (Table Value) P = 50%
Reaction to Fire (EN 13501 - 1): A1
Dangerous Substances (EN 998 - 1): See SDS



4082 Minart Silver 200 Mineral Based Decorative Coating

Cement based, decorative exterior coating material.

Fields of Application

- Used on well plastered surfaces of exterior coating systems.

General Data

Colour: White
Composition: Cement based
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Consumption: 2.4 - 2.8 kg/m²
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel and plastic trowel
Mixing Ratio: 5.75 - 6.5 lt water / 25 kg powder

Performance Data (at 23°C and 50% RH)
Service Temperature Range: (-30°C) - (+80°C)
Compressive Strength (EN 1015-11): 3.5-7.5 N/mm² - CS III
Compressive Strength / Class (EN 1015-11): ≥ 0.45 N/mm² / B
Bulk Density of Hardened Mortar (EN 1015-10): 1400 ± 100 kg/m³
Capillary Water Absorption - Class (EN 1015-18): ≤ 0.40 kg/m² dk^{0.5} - Wc1
Water Vapor Permeability Coefficient(μ) (TS EN 1015-19): < 15
Thermal Conductivity (EN 1745): ≤ 0.53 W/m.K (Table Value) P = 50%
Reaction to Fire (EN 13501 - 1): A1
Dangerous Substances (EN 998 - 1): See SDS



TS EN 998-1 / 2017

Thermal Insulation Applications



4085 Minart Silver 300 Mineral Based Coarse Textured Decorative Exterior Coating

Cement-based, coarse textured decorative exterior coating.

Fields of Application

- Used on well plastered surfaces of exterior coating systems.



TS EN 998-1 (July 2011)

General Data

Colour: White
Composition: Cement based
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags

Application Data

Consumption: 3.8-4.0 kg/m²
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel and plastic trowel
Mixing Ratio: 25 kg powder / 5.75 - 6.5 lt water

Performance Data (at 23°C and 50% RH)

Service Temperature Range: (-30°C) - (+80°C)
Compressive Strength (EN 1015-11): 3.5 - 7.5 N/mm² - CS III
Bonding Strength - Type of Break (EN 1015-12): ≥ 0.45 N/mm² / B
Bulk Density of Hardened Mortar (EN 1015-10): 1500 ± 100 kg/m³
Capillary Water Absorption - Class (EN 1015-18): ≤ 0.40 kg/m² dk^{0.5} - Wc1
Water Vapor Permeability Coefficient (μ) (TS EN 1015-19): < 15
Thermal Conductivity (EN 1745): ≤ 0.61 W/m.K (Table Value) P = 50%
Reaction to Fire (EN 13501 - 1): A1
Dangerous Substances (EN 998 - 1): See SDS



4084 Minart Dekor 300 Mineral Based Line Textured Decorative Coating

Cement-based, line-texture decorative coating.

Fields of Application

- Used on well plastered surfaces of exterior coating systems.



TS EN 998-1 (July 2011)

General Data

Colour: White colour
Composition: Cement based
Shelf Life: 12 months when stored in the original sealed
Packaging: 25 kg multi-ply paper bags.

Application Data

Consumption: 3.0 - 3.5 kg/m²
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel and plastic trowel
Mixing Ratio: 25 kg powder / 5.5 - 6.25 lt water

Performance Data (at 23°C and 50% RH)

Service Temperature Range: (-30°C) - (+80°C)
Compressive Strength (EN 1015-11): ≥ 6 N/mm² - CS IV
Bonding Strength - Type of Break (EN 1015-12): ≥ 0.60 N/mm² / B
Bulk Density of Hardened Mortar (EN 1015-10): 1600 ± 100 kg/m³
Capillary Water Absorption - Class (EN 1015-18): ≤ 0.40 kg/m² dk^{0.5} - Wc1
Water Vapor Permeability Coefficient (μ) (TS EN 1015-19): < 15
Thermal Conductivity (EN 1745): ≤ 0.72 W/m.K (Table Value) P = 50%
Reaction to Fire (EN 13501 - 1): A1
Dangerous Substances (EN 998 - 1): See SDS

NEW



4088 Minart Pro 300 Mineral Based Line Textured Decorative Coating

White, cement based top coating that creates rough line texture with high water repellency.

Fields of Application

- Used on well plastered surfaces of exterior coating systems.



TS EN 998-1 (July 2011)

General Data

Colour: White colour
Composition: Cement based
Shelf Life: 12 months when stored in the original sealed packaging in dry place.
Packaging: 25 kg paper bags.

Application Data

Consumption: Approximately 4.0 kg/m²
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel and plastic trowel
Mixing Ratio: 5 - 5.5 lt water / 25 kg powder

Performance Data (at 23°C and 50% RH)

Service Temperature Range: (-30°C) - (+80°C)
Compressive Strength (EN 1015-11): 3.5 - 7.5 N/mm² CS III
Bonding Strength - Type of Break (EN 1015-12): ≥ 0.45 N/mm² / B
Bulk Density of Hardened Mortar (EN 1015-10): 1450 ± 100 kg/m³
Capillary Water Absorption - Class (EN 1015-18): ≤ 0.40 kg/m² dk^{0.5} - Wc1
Water Vapor Permeability Coefficient (μ) (EN 1745): ≤ 15
Thermal Conductivity (EN 1745): ≤ 0.57 W/m.K (Table Value) P = 50%
Reaction to Fire (EN 13501-1): A1
Dangerous Substances (EN 998-1): See SDS

Kalekim Thermal Insulation System Accessories



Kalekim EPS Reinforcement Mesh

It is a glass wool material having impregnated fiber layers against alkali and chemicals.

Technical Specifications

Density	: 160 gr/m ²
Mesh Interval	: 4x4 mm
Tensile strength	: Min. 1900 N/5 cm
Tensile strength	: Min. 1200 N/5 cm (5% NaOH solution test)
Tensile strength	: Min. 1250 N/5 cm (Accelerated test)



Kalekim EPS Meshed PVC Corner Profile

It is the meshed PVC profile used to reinforce the weak sections (edges, corners, etc.) that are most easily affected from external factors.



Kalekim Anchor with Plastic Nail

It is the mechanical fitting piece that is used to fix the Kalekim EPS Thermal Insulation Boards to the facade.



Kalekim Anchor with Steel Nail

It is a mechanical fitting piece which is used to fix the Kalekim Thermal Insulation Boards to the reinforced concrete and hard surfaces. Steel nail is particularly preferred in Stone Wool insulation applications.



Kalekim Wooden "OSB" Anchor with Screw

Plastic drill-tipped metal screws used in Kalekim thermal insulation applications on wood (OSB etc.) and cement-bonded particleboard surfaces.



Kalekim Aerated Concrete Anchor

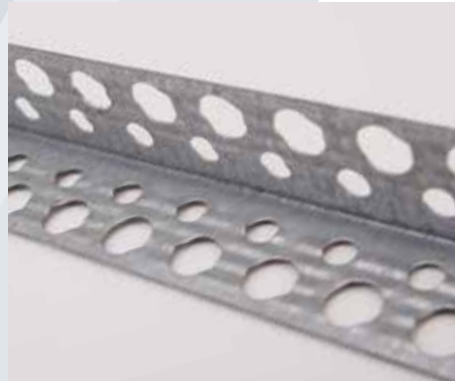
Plastic screw or steel nail fitting piece used in Kalekim thermal insulation applications on aerated concrete surfaces. Selected depending on insulation material type and thickness.

Kalekim Thermal Insulation System Accessories



Kalekim Inundation Profile

It is an aluminum profile which protects the system against impacts and that is used as inundation plane.



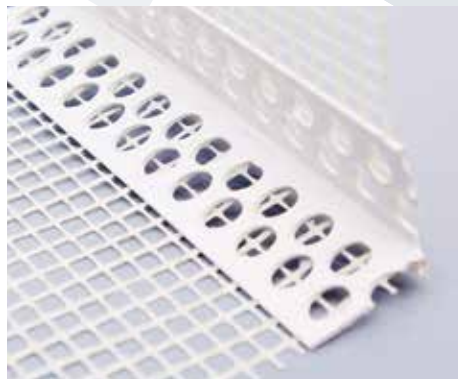
Kalekim Aluminum Corner Profile

It is an aluminum profile which protects the external corners against impacts.



Kalekim Aluminum Edging Profile

It is an aluminum profile which is used in corbels to protect the facade against water.



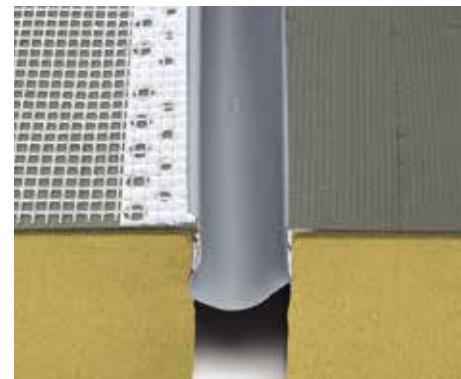
Kalekim Meshed PVC Edging Profile

It is a meshed PVC profile which is used in corbels to protect the facade against water.



Kalekim Joint Gap Profile

It is a profile which is used to form joints on the facade.



Kalekim Dilatation Profile

It is a profile which is used to cover the dilatation space and enable sheathing system to function at dilatation points.



Kalekim Sill Profile

It is an aluminum and PVC profile which is used to lengthen the current windowsill.



Kalekim Inundation Wedge

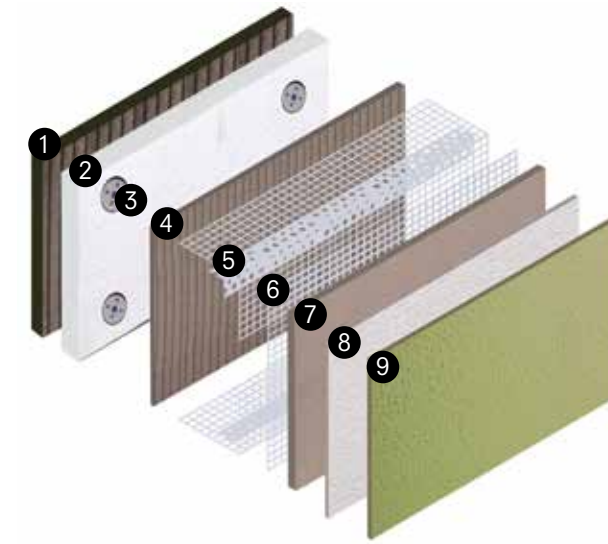
It is a plastic material which is used to smooth the undulation existing on the facade and balance the inundation profile.



Kalekim Sinker Heading

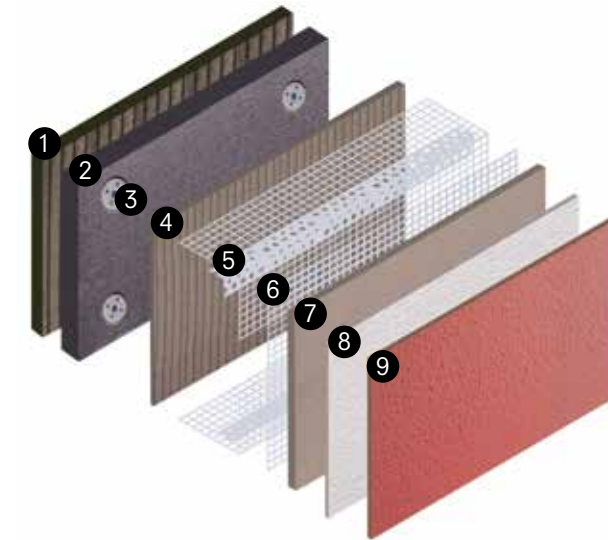
It is a fixture which is used to place the anchor heading firmly on Kalekim EPS boards.

Kalekim Thermal Insulation Components



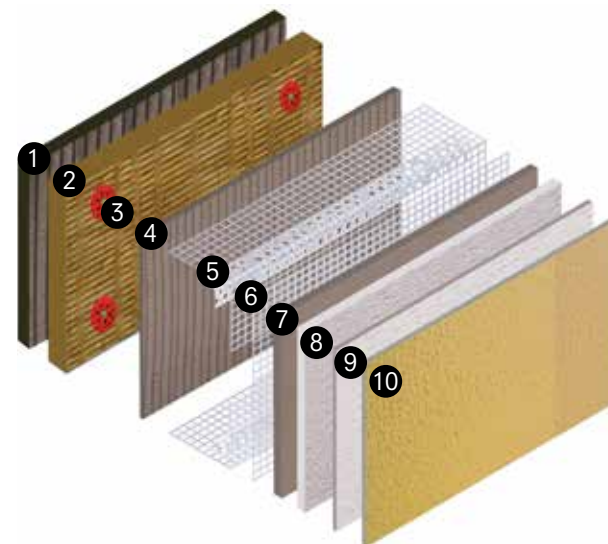
Kalekim White EPS System Components

- 1- Kalekim White EPS Foamtech / Mantotech Adhesive Mortar
- 2- Kalekim White EPS Thermal Insulation Board
- 3- Kalekim White EPS Anchor
- 4- Kalekim White EPS Foamplast / Mantoplast Plaster Mortar
- 5- Kalekim White EPS Meshed PVC Corner Profile
- 6- Kalekim White EPS Reinforcement Mesh
- 7- Kalekim White EPS Foamplast / Mantoplast Plaster Mortar
- 8- Kale Silastar
- 9- Kale Decorative Plaster and Coating



Kalekim Carbon EPS System Components

- 1- Kalekim Carbon EPS Foamtech / Mantotech / Mantomix Adhesive Mortar
- 2- Kalekim Carbon EPS Thermal Insulation Board
- 3- Kalekim Carbon EPS Anchor
- 4- Kalekim Carbon EPS Foamplast / Mantoplast / Mantomix Plaster Mortar
- 5- Kalekim Carbon EPS Meshed PVC Corner Profile
- 6- Kalekim Carbon EPS Reinforcement Mesh
- 7- Kalekim Carbon EPS Foamplast / Mantoplast / Mantomix Plaster Mortar
- 8- Kale Silastar
- 9- Kale Decorative Plaster and Coating



Kalekim Stone Wool System Components

- 1- Kalekim Stone Wool Mantotech / Mantostone Adhesive Mortar
- 2- Kalekim Stone Wool Thermal Insulation Board
- 3- Kalekim Stone Wool Anchor
- 4- Kalekim Stone Wool Mantoplast / Mantostone Plaster Mortar
- 5- Kalekim Stone Wool Meshed PVC Corner Profile
- 6- Kalekim Stone Wool Reinforcement Mesh
- 7- Kalekim Stone Wool Mantoplast / Mantostone Plaster Mortar
- 8- Kalekim Minart Silver / Minart Dekor
- 9- Kale Silastar
- 10- Kale Exterior Paint





Kalekim

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