



PRODUCT CATALOGUE

- WATERPROOFING MATERIAL
- FLOOR COATING
- THERMAL PRODUCTS
- SPECIAL PRODUCT



HAYPERFLEX

www.hayperfex.com

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The brand Hayperflex with over 20 years of experience in construction chemicals production such as, waterproofing, floor coating, thermal products and special products offers systems according to your special needs and suitable for the environmental conditions, by this way increase your savings and protect the nature. The energy we consume is used up in the buildings in our living areas up to 35%-40% and most of it as much as 65%-70% is used for heating or cooling. Correct and good isolation means energy saving and less budget. Of course not all buildings require the same isolation. Buildings are similar to living beings and in different geographic conditions, climates and floors they are facing different problems.

Even if same products are used and the buildings are isolated the same way, they respond in a different way according to the climate conditions. For example in one of the coldest regions of the world such as Verkhoyansk in Siberia (-69.8 °C) and one of the hottest in Tirat Zvi, the building should not be isolated the same way. For such reasons, Hayperflex products are produced with special formulas by the experienced team and special for the need of the building. In every order we receive, we study the conditions of the environment and we develop specially according to the need.

As the brand Hayperflex; we invest for the future by producing solutions specific to the conditions to increase the living standards, reduce the energy loss and environmental friendly products.



HAYPERFLEX

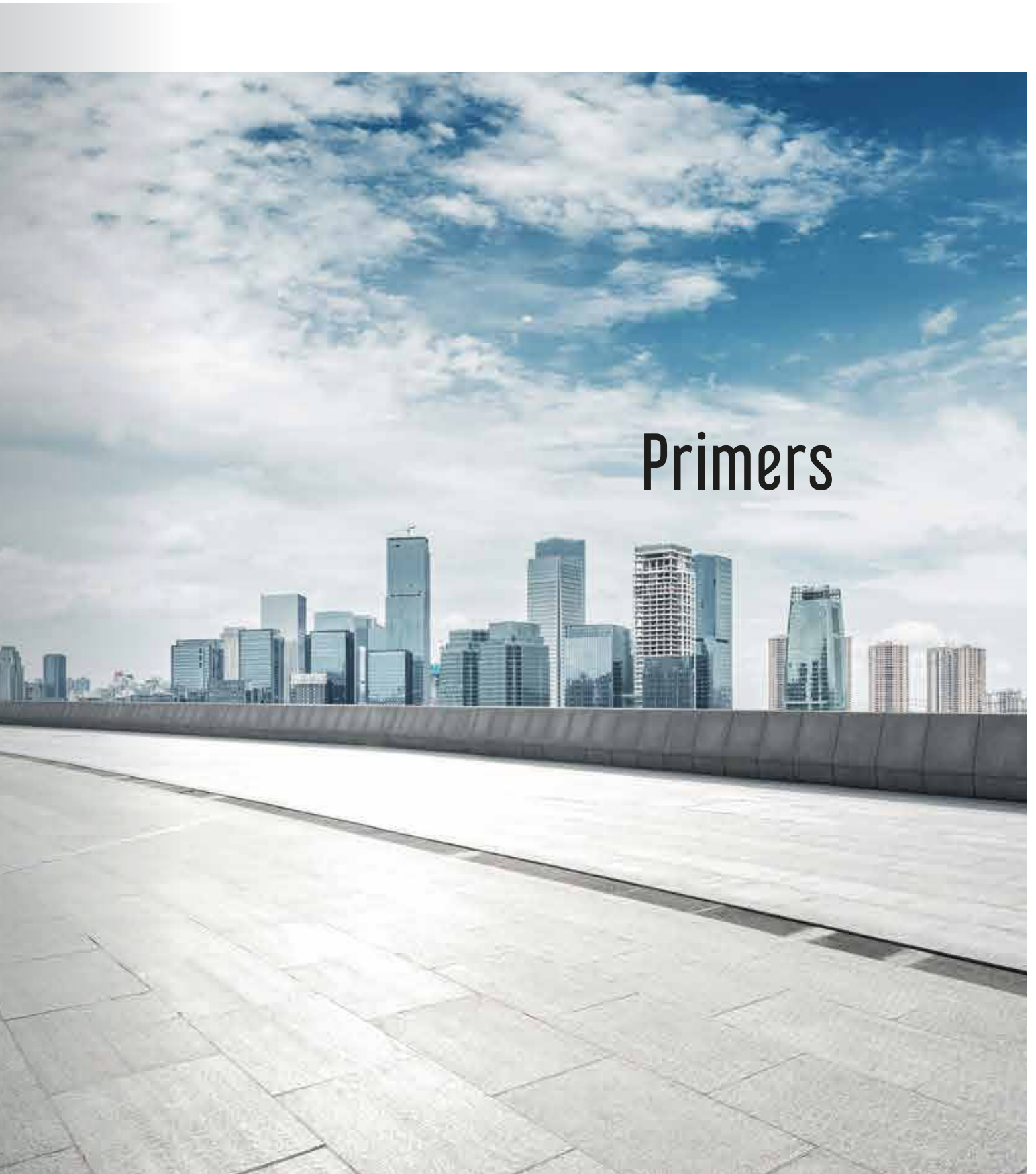


- EPOXY SEALER - SF
- CONCENTRATED PRIMER

- PUR PRIMER 1K
- CONCRETE PRIMER

- PU FLEX PRIMER 2K

Primers



EPOXY SEALER - SF

It is a two component polyamide cured solvent free epoxy coating. It is transparent and ensures very good adhesion on most concrete floors. Specially designed for high build floor coatings on properly prepared concrete floors and walls.





Usage Areas

Designed for a wide range of floors with various levels of mechanical and chemical exposure. Specially designed for use with the traffic deck system, for heavy duty traffic areas such as ramps, car parks, parking bays, pedestrian walkways, roof decks and industrial floors. Recommended for cold stores, laboratories, hospitals, food and beverage plants, kitchens, high tech manufacturing facilities, dairies, warehouses, factories and hangars. This product when used with silica sand it is suitable for filling and repairing of cracks, undulations and surface imperfections. The product is designed to be used as primer under epoxy and polyurethane Topcoats.



Application Details

For Concrete & Cement Surfaces: Remove scum layer and loose matter to a hard, rough and uniform surface, preferably by abrasive blasting, possibly by other mechanical treatment or acid etching. Apply the products in a thin layer by roller, brush, Metal trowel or airless spray.

Over Ceramic surfaces: the surface of ceramic must be clean, dry and free from oils or grease.



The weak parts of the application surfaces must be removed with milling cutter, sand blasting or sanding.



Oil on the surface, if present, must be burned.



The cleaned surfaces are primed with solvent free epoxy impregnated primer.



If the surface is too glossy, likewise the specific surface must be widened by being roughened with milling cutter or sand blasting.



Impurities and dust must be taken with vacuum.



The other epoxy coatings must be applied maximum 24 hours after primer application.



CONCENTRATED PRIMER

Is a water based, acrylic copolymer based concentrated primer with high penetration and adherence property. The product is odorless, creates a binding bridge between paint and surface, maximizes adherence of paint on surface; decreases the absorbency of the surface. It is also applied to prevents color waives occurring in top coat paint on surfaces with various characteristics of absorbency. The product will reduces the consumption of paint significantly. Performs high penetration ability plus the product is environmental friendly.



Usage Areas

Ideal as primer for exterior and interior surfaces like walls, ceilings, partition, etc. It can be applied on concrete, masonry, cement rendering, gypsum, etc.

Application Details

The surface should be stable, firm, dry and free of dust, sand, loose old paint, laitance, dirt, grease and oil.



Newly applied material should not be exposed to rain and frost for 24 hours.



Apply in such a way that no film layer will be formed on the surface.



Do not let transparent primers form a glass-like layer in applications on surfaces except the above stated ones and/or without combing and smoothing. Glossiness on surfaces where film layer was formed should be cleaned mechanically (such as sanding, scraping, etc.). Otherwise, cracking, blistering, roller brush traces and covering problems may occur.



It should not be applied in rainy and foggy weather and in temperature below + 5 °C. Do not apply on wet and frozen surfaces.

PUR PRIMER 1K

It is a polyurethane based, one component, high solids, low viscosity transparent surface primer, which penetrates into the pores of the applied surface and creates an invisible barrier against water in the capillary channels.












Usage Areas

It can be used on concrete surfaces, Metal surfaces, plastered and coated surfaces, wood surfaces, PVC surfaces, and bitumen based surfaces.

Application Details

For Concrete & Cement Surfaces: Remove scum layer and loose matter to a hard, rough and uniform surface, preferably by abrasive blasting, possibly by other mechanical treatment or acid etching. Apply the products in a thin layer by roller, brush, or airless spray.



 <p>Hayper Pur Primer-1K must be well shaken before use.</p>	 <p>Applied in one coat. (Two coats application is recommended for highly absorbent surfaces.)</p>	 <p>For a successful polyurethane coating applied on it, all pores on the surface must be completely sealed.</p>
 <p>Ready-to-use material. Does not require heating and thinning.</p>	 <p>Must not be applied in rainy weather or at temperatures lower than 5°C.</p>	
 <p>Application must be made with roller.</p>	 <p>Application of the second coat must be started after 6 hours at least.</p>	



CONCRETE PRIMER

Is a water based, acrylic copolymer based concentrated primer with high penetration and adherence property. The product is odorless, creates a binding bridge between paint and surface, maximizes adherence of paint on surface; decreases the absorbency of the surface. It is also applied to prevents color waives occurring in top coat paint on surfaces with various characteristics of absorbency. The product will reduces the consumption of paint significantly. Performs high penetration ability plus the product is environmental friendly.



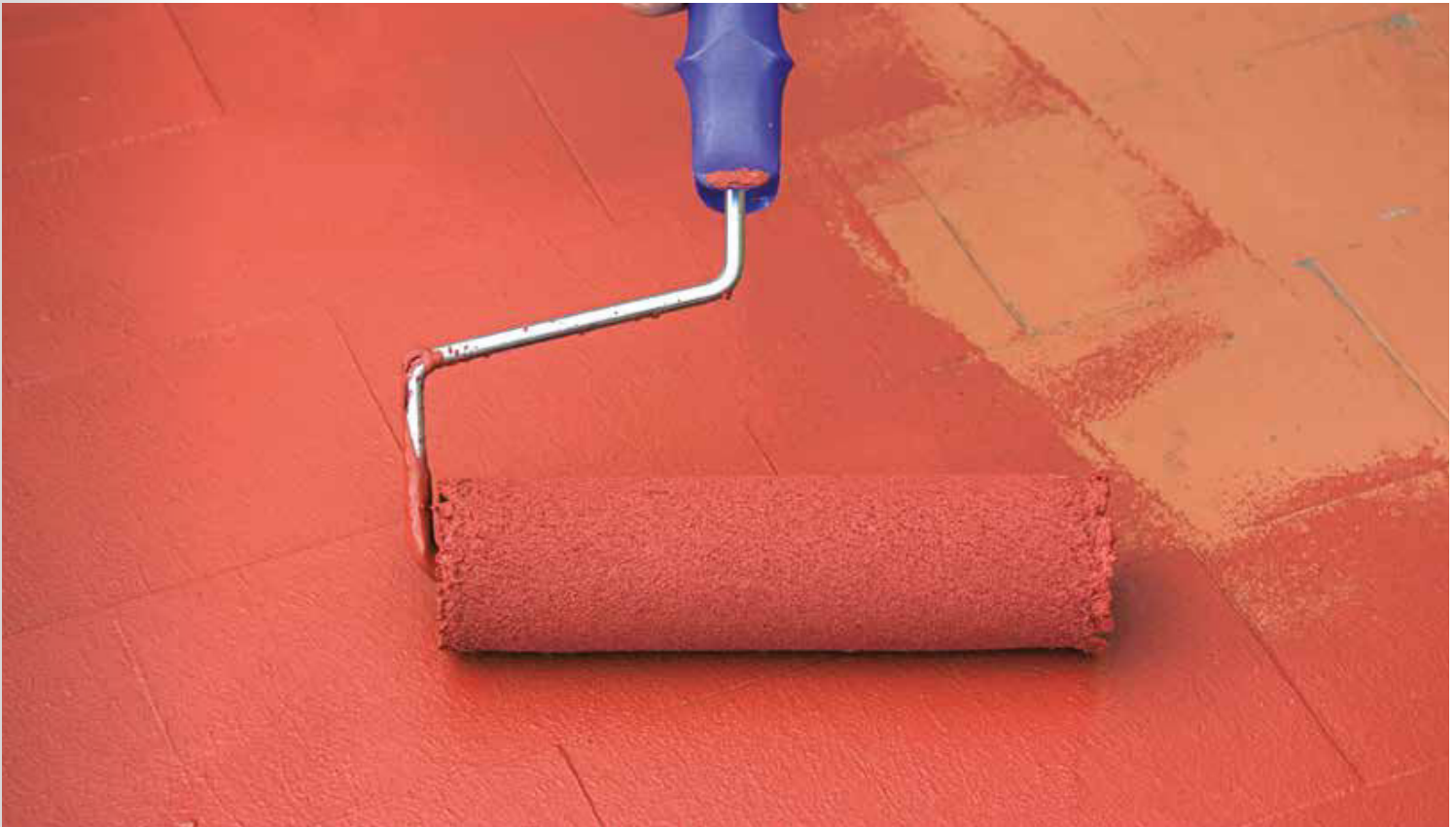


Usage Areas

It can be used as primer for cement plaster over concrete and as primer under cement based mortar application. And also can be used as primer over concrete surfaces for all kinds of water based waterproofing paints. And water based cement based waterproofing primer.

Application Details

The surface should be stable, firm, dry and free of dust, sand, loose old paint, laitance, dirt, grease and oil.



Ready-to-use material. Must be diluted with water at a rate of 40-50%.



Applied by spraying, with a brush or roller.



Must not be applied in rainy weather or at temperatures lower than 5°C.



The material must be applied after being mixed very well.



Using gloves is strictly recommended during application.



PU FLEX PRIMER 2K

Is a polyurethane based, two component, solvent-free coating which designed as primer for concrete and cement based surfaces. It is specially designed for humid or wet concrete surfaces (at least 7 days old). It provides fast curing and toxic free surface, as well as being solvent-free (zero VOC/Volatile Organic Components).





Usage Areas

Used as primer over metal surfaces, galvanized metal, aluminum, marble. It is used as primer on Plastered and coated surfaces. Can be used over wood surfaces as primer. It can be used in application environments with insufficient ventilation conditions. It can be used as primer over bitumen and asphalt based membrane. It can be used as non-polyurethane based systems such as acrylic paints.

Application Details

For Concrete & Cement Surfaces: Remove scum layer and loose matter to a hard, rough and uniform surface, preferably by abrasive blasting, possibly by other mechanical treatment or acid etching. Apply the products in a thin layer by roller, brush, or airless spray.

For metal and PVC and wood surfaces please contact technical department in Hayperflex for application details.



As a two component product, the amount to be consumed must be prepared in the specified mixture ratio considering the life of mixture.



The prepared mixture must be consumed within the recommended life of the mixture.



Fill the product in a large container not so deep for extending its pot life in hot environments.

15°



In order to obtain a homogeneous mixture, the temperature of the product must not be less than 15°C.



The material can be diluted with polyurethane thinner in order to reduce the consumption and extend pot life in outdoor environments.



The prepared mixture is applied as the surface will be saturated with roller or brush, and the pores will be closed.



Mix the components A and B with a mixer with low speed (300 rpm) for minimum 3 minutes until the mixture becomes homogeneous.



Never thin the product when priming on wet surfaces or water films.



- CRYSTALLINE -1K
- CRYSTALLINE -2K

- SUPER 2K
- HYBRID 2K

- HAYPAROOF PLUS
- HAYPER S.A.S.

- HAYPAROOF
- AQUA BITUMEN 1K



Waterproofing Material

- AQUA BITUMEN 2K



CRYSTALLINE -1K



Cement-based crystallized mortar in powder form, made of specifically selected fine aggregates and chemicals activated by water and moisture. It is applied in positive and negative directions and the chemicals it contains penetrate into the concrete in depth by reacting with moisture and free lime present in the concrete, and forms crystals that do not dissolve in capillary voids and pores.



Usage Areas

Application Areas: Positive Water Pressure: The product is used in water Tanks , Swimming pools , Isolation of retaining walls and shear walls , irrigation canals , sewer system pipes, concrete pipes & manholes, dams , and cisterns.

Negative Water Pressure: interior isolation of basement walls and grounds, exterior isolation of water tanks, retaining walls, tunnels, subways, floors and horizontal joints, and elevator excavation.

Application Details

The application surface must be clear of materials which prevent bonding, such as dust, oil, paint, curing agents, detergents, mold release oils, silicone, and has to be moisturized. Weak parts of the concrete must be repaired, plasters that are not adhering well must be removed, the surface must be shaped flat and sound, static cracks on the building must be repaired with plaster with Hayperflex Latex or HYPER REPAIR MORTAR. The application surface must be saturated with water and must be kept moist during application.



Concrete surface must be dampened in dry surfaces.



The prepared mixture is applied on the surface in two coats with hard brush.



The second coat application must be done before the first coat gets fully set.



The mortar prepared must be used within 20-30 minutes.



In application with trowel, the thickness must be within the range of 5-10 mm.



When desired, a fine coating application can be done with brush on trowel application.



Application of each layer must be in vertical position on the previous one, and must be finished in a single application.



CRYSTALLINE -2K

Two-component cement based, resistant to negative and positive water pressure, it is a crystallized waterproofing mortar that can be penetrate to the capillary cavities of cement based surfaces.





Usage Areas

The product can be used indoor and outdoor, Negative and positive waterproofing of concrete surfaces such as basement curtains, Water storage tanks, swimming pools, Vertical and horizontal applications , curtain walls, Uncoated surfaces such as brick, gas concrete, pumice , Used in reinforced concrete pipes.



Application Details

Dry floors, the concrete surface should be moistened. Liquid component is poured into an empty bucket and powder component is poured slowly and mixed until it is homogeneous. The prepared mixture is applied to the surface with a hard brush in 2 coats. The second coat should be applied before the first coat is completely dry. The prepared mortar should be used within 20-30 minutes. The application of each layer should be perpendicular to the previous one, and should be completed at one time. Allow to dry between coats (minimum 3 hours) but no longer than 24 hours



The liquid component is taken into an empty bucket, the powder component is slowly added on it, and they are mixed with a slow rate until the mixture gets homogeneous.



The second coat application must be done before the first coat gets fully set.



When desired, a fine coating application can be done with brush on trowel application.



Concrete surface must be dampened in dry surfaces.



The mortar prepared must be used within 20-30 minutes.



Applied in 2 or 3 coats. The coats must be applied homogeneously and smoothly, and the application must be vertical at each layer against the previous one.



The prepared mixture is applied on the surface in two coats with hard brush.



In application with trowel, the thickness must be within the range of 5-10 mm.



Application must be made after each layer sets. The waiting time must be at least 3 hours but no more than 24 hours.

SUPER 2K

A cement base, 2 component polymer modified waterproofing slurry. The products will give a flexible layer which can be used for external and internal waterproofing, crack sealing and as a repairing mortar for cement and concrete surfaces.

















Usage Areas

Swimming pools and waterproofing of drinking water tanks and reservoirs. For vertical and horizontal applications. Bridges & Sea walls. Waterproofing basement and cellars. Waterproofing of terraces, roofs and balconies. Water treatment facilities. Sewage treatment facilities including concrete tanks.



Application Details

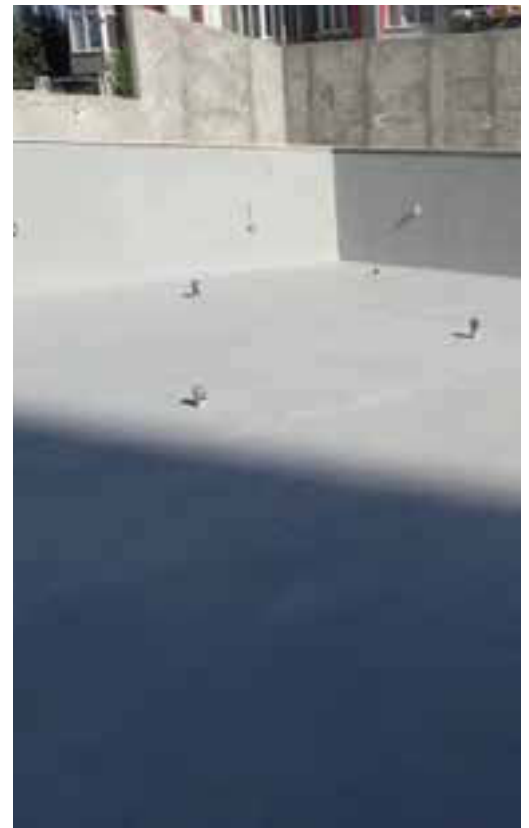
Concrete surfaces should be clean, sound and free from oil, grease, cement laitance and all loosely adhering particles. The surface should be in a saturated surface dry condition. Weak parts of concrete should be repaired, loose textures should be scrapped. Any cracks and fractures on the surface should be repaired with repair mortars carefully and the surface should be prepared. After the surface is ready, the primer should be applied. In open environments such as terraces, corners must be chamfered edges must be done horizontally or vertically at a 45 ° angle and made ready for insulation.

 <p>The application surfaces must be primed with one coat.</p>	 <p>Must be mixed with a low speed mixer without water addition, until there is no agglomerate is left.</p>	 <p>Mesh application is recommended between the two coats of Hayper Super-2K.</p>
 <p>Its application is started 5 hours later than the primer application at the latest.</p>	 <p>The mixture must be left to wait for about 5 minutes until it gains consistency; further mixed for 20-30 seconds; and it is applied at a single direction with filling the corners by means of a brush.</p>	 <p>The mortar prepared must be consumed within 30 minutes.</p>
 <p>2 coats of application must be made on prepared surfaces with brush, roller or spraying.</p>	 <p>The vertical corners must be bevelled before the second coat is applied.</p>	 <p>No additional water must be added into the mixture. Always the powder component must be added to the liquid component.</p>
 <p>The liquid component is taken into the mixing container, and the powder component is slowly added into the liquid.</p>	 <p>Application of each layer must be in vertical position on the previous one, and must be finished in a single application.</p>	 <p>There must be a waiting time of 5 hours between the coats. The setting time may extend in environments with lower temperatures and high rates of humidity. The second coat must not be started in floors not fully set.</p>



HYBRID 2K

It is a hydraulic cement and polymer modified insulation material and floor coating. The resistant to positive and negative water pressure. The product have well resistant to abrasion. It is not toxic. Ideal for water tanks. The product have high flexibility and breathability. The product is easy to apply. It has high mechanical resistance against abrasion and impacts. The product have well resistant to salt water, grease and oil, but also impermeable.





Usage Areas

Terrace and roof insulation, basic and Curtain insulation, water tank, swimming pool, ornamental pools, in wet areas, bathrooms and balconies, walkways, park and garden grounds, Parking lots, asphalt roads, factory and warehouse floors, in ponds and cisterns, on old or problematic insulations.

Application Details

On dry floors, the concrete surface should be moistened or primed with a universal acrylic primer. B component is opened by mixed with 1-1.5 kg of fresh water is added and then A component is added slowly with the help of low speed drill is mixed until there is no lump. The prepared mixture is applied to the surface by roller brush or spraying in 2 coats. The second coat should be applied before the first coat is completely dry. If desired, a thin coat can be applied with a brush or roller over the trowel application. The application of each layer should be perpendicular to the previous one, and should be completed at one time.



In dry surfaces, concrete surface must be dampened or primed with universal acrylic primer.



Firstly, the component B is opened and 1-1.5 kg water is added on it. Later, the component A is slowly added. It is mixed with a low speed drill until there is no agglomerate is left.



The prepared mixture is applied on the surface in two coats with roller brush or by spraying.



The second coat application must be done before the first coat gets fully set.



When desired, a fine coating application can be done with brush or roller on trowel application.



Application of each layer must be in vertical position on the previous one.

HAYPAROOF PLUS

It is a polymer based, one component waterproofing coating that forms a waterproof impermeable insulation layer on the surfaces it is applied.

The product have high adhesion to the surface, easy to apply, it have high resistance to corrosion and chemicals, it have very good resistant to acids, petroleum products, water and solvents. High mechanical resistance to abrasion and impact. It is not affected by fungi and bacteria. The product is UV resistance. It is resistant to salt water, grease and oil and is also impermeable.





The application surfaces must be primed with one coat with the product itself being diluted with Hayper Polymer at a rate of 30-50%.



Hayper Polymer application is started 4 hours later than the primer application at the latest.



2 coats of application must be made on prepared surfaces with roller or brush.



Application of each layer must be in vertical position on the previous one, and must be finished in a single application.



In order for the waterproofing to be sound, beveling must be made on horizontal and vertical parts, where it is deemed necessary.



There must be a waiting time of 4 to 6 hours between the coats. The setting time may extend in environments with lower temperatures and high rates of humidity.

Usage Areas

Waterproofing of terrace roof and balconies, metal roofs, woods and old bituminous problematic insulations, asphalt and concrete floors, under ceramic waterproofing, wet areas (bath, WC, shower, kitchen), Prefabricated concrete, painted sheet, galvanized sheet, GRP water streams as waterproofing layer

Application Details

Concrete surfaces should be clean, sound and free from oil, grease, cement laitance and all loosely adhering particles. Application surfaces are primed with Hayparooft plus thinned with 30-50% water directly. After four hours one coat is applied without thinning. And another coat is applied after four hours. The application of each layer should be perpendicular to the previous one, and should be completed at one time.



HAYPER S.A.S.

Acrylic polymer components based, ready for use single component, strong adhesion with excellent water resistance and UV resistance waterproofing material. The product consisted of mineral fillers and special polymer to give a very good wearing resistance more than any equivalent product. The product has excellent resistance to UV, snow, rain and water and it is also environment friendly.





Usage Areas

Concrete roofs & terraces. Concrete walkways. Asphalt pavements. Tennis courts & sport areas. Parks & Gardens. Wet areas insulation. Under the ceramic and marble. Uncoated surfaces such as brick, gas concrete, pumice.

Application Details

The surface should be stable, firm, dry and free from dust, sand, loose old paint, laitance, dirt, grease and oil. It is recommended to apply a primer/sealer prior to the specified filling procedure. Touch-up with primer/sealer on areas repaired with filler is recommended prior to application of topcoats.



Concrete surface must be dampened in dry surfaces.



The prepared mixture is applied on the surface in two coats with roller brush or by spraying.



The second coat application must be done before the first coat gets fully set.



When desired, a fine coating application can be done with brush or roller on trowel application.



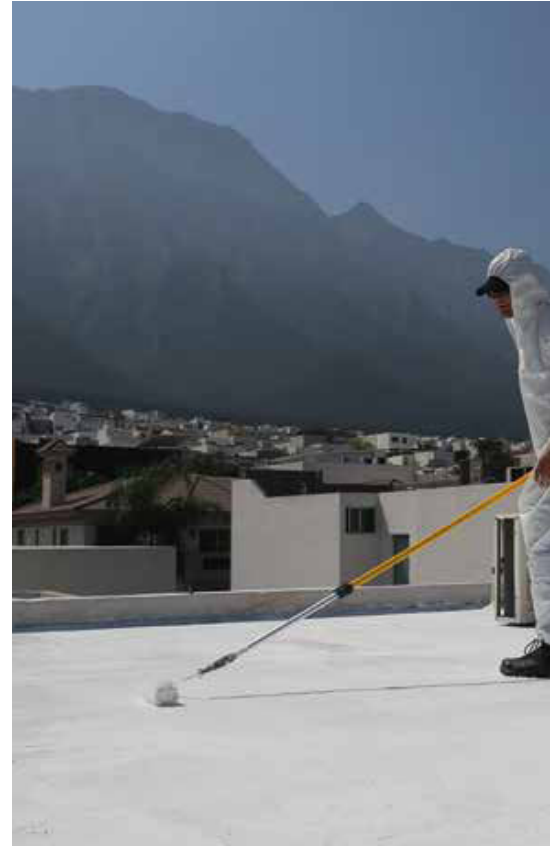
Application of each layer must be in vertical position on the previous one, and must be finished in a single application.



HAYPAROOF

It is a high-build acrylic roof coating which forms a highly durable elastomeric membrane with excellent UV resistance, flexibility and waterproofing properties. The product is ready to use single component material and have excellent flexibility and elongation properties and provides a seamless waterproofing membrane for roof areas.





Usage Areas

As water isolation material over concrete, masonry, woodwork, tiles, steel, also it is well suited to protect expanded polyurethane foam from deterioration by U. V. rays.

Application Details

The surface should be stable, firm, dry and free from dust, sand, loose old paint, laitance, dirt, grease and oil. It is recommended to apply a primer/sealer prior to the specified filling procedure. Touch-up with primer/sealer on areas repaired with filler is recommended prior to application of topcoats.



The application surfaces must be primed with one coat with the product itself being diluted at a rate of 30-50%.



Its application is started 8 hours later than the primer application at the latest.



Two coats of application must be made on prepared surfaces with brush, roller or airless spraying.



Application of each layer must be in vertical position on the previous one, and must be finished in a single application.



In order for the waterproofing to be sound, beveling must be made on horizontal and vertical parts, where it is deemed necessary.



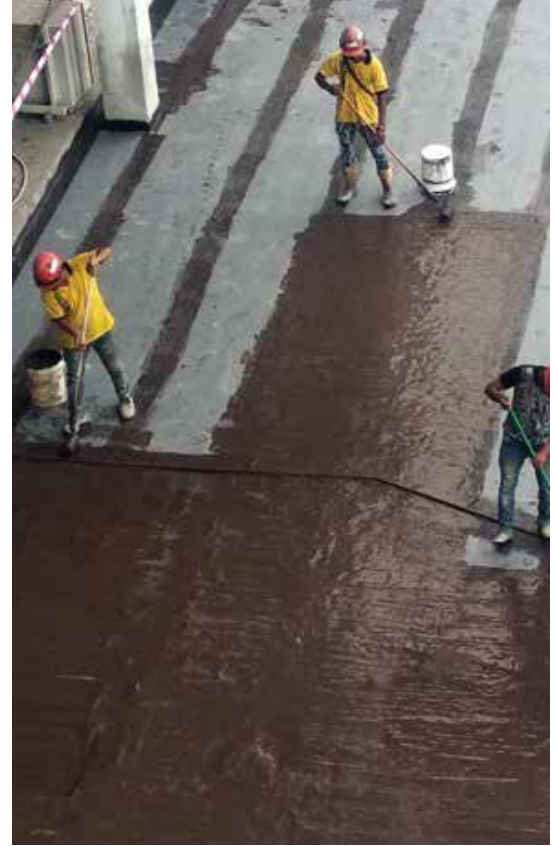
There must be a waiting time of 5 to 8 hours between the coats. The setting time may extend in environments with lower temperatures and high rates of humidity. The second coat must not be started in floors not fully set.



AQUA BITUMEN 1K

An easy to use, single component, bitumen and acrylic based, durable and elastic waterproofing coat which have very good resistance to de-icing salts, plants roots and aggressive substance in soil.





Usage Areas

The product is a blend of bitumen and acrylic rubber based chemical, specially formulated for use on concrete structure that are in permanent contact with soil and those which are the area of use: Building's foundations, Basements, Retaining walls, Roofs of the building, Balconies and terraces, Wet areas such as bathrooms and kitchens and toilets as a protective coating. On shear walls and all types of concrete surfaces in contact with soil against moisture and low degree chemicals.



Application Details

All surfaces (new or old) must be clean, dry and free from grease and oil, laitance, curing compounds, form board release agents and any other contaminants which may impair adhesion of the product. Remove any residual paint with paint stripper, scraping, grinding and/or sand blasting to achieve a clean surface, for new concrete surfaces must have "cured" for at least 28 days and should be porous, and of a light broom finish to ensure maximum adhesion between base coat and concrete. Diamond disk grinding is necessary and use the surface should be sealed with suitable primer.



Can be applied with bitumen brush or spraying.



Ready to use; must be applied in a minimum of two coats without thinning.



Sets in 4-5 hours depending on the weather conditions.



Must not be applied in rainy weather or at temperatures lower than (+) 5°C.



AQUA BITUMEN 2K

It is a two-component, acrylic bitumen based liquid membrane that is reinforced with elasticizing additives. The dry film of the product adheres perfectly to the surface on which it is applied and forms an elastic layer resistant to water and moisture.






Usage Areas


Horizontal and vertical surfaces, under terrace insulation, Insulation of foundations and basements, insulation of damp areas such as bathrooms, kitchens and toilets. Asphalt and concrete floors. For cracked surfaces or insulation applications which must withstand higher pressure water, Fiber mesh, isolation cloth, etc. used as reinforcement.





Application Details

It is applied by bitumen brush or spraying. Ready to use At least two coats should be applied without thinning. It dries in approximately 4-5 hours depending on weather conditions.

 Can be applied with bitumen brush or spraying.

 Ready to use; must be applied in a minimum of two coats without thinning.

 Sets in 4-5 hours depending on the weather conditions.

 Must not be applied in rainy weather or at temperatures lower than (+) 5°C.

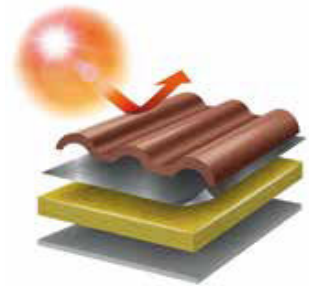
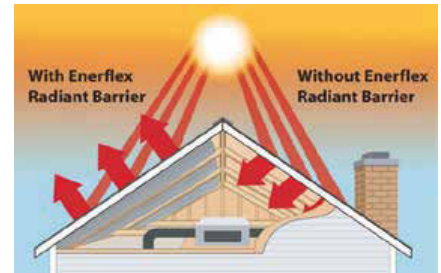
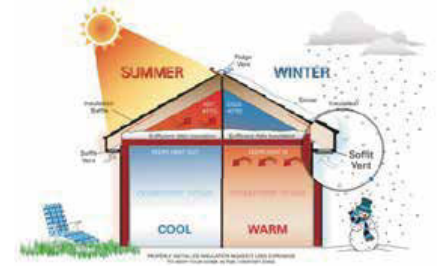


- HAYPER T1000
- HAYPER T2000

- THERMO PLASTER

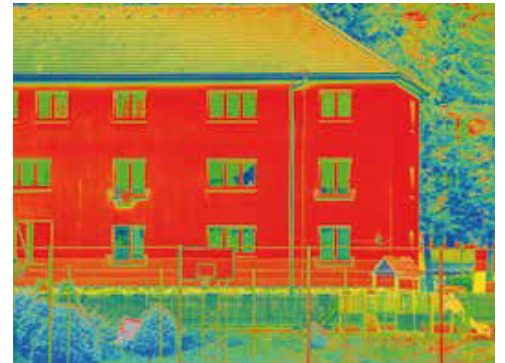
Thermal Products





HAYPER T1000

It is water-based, one component, elastic, waterproof, thermal insulation paint that can be used indoors and outdoors with low thermal conductivity value, containing micro GLASS beads and special CERAMIC additives. The product is ready to use, single component, It provides energy saving up to 25-35%. And it prevents the formation of moisture and mold on the wall. And it has late flammability and non-flammability.











Usage Areas

Internal and external facades of buildings, all kinds of concrete, wood and steel structures, it can be applied to all kinds of plastered surfaces painted-unpainted interior exterior walls, Exterior, metal, wood, etc. surfaces.

Application Details

It is a ready-to use paint and do not require thinning. The material should be applied after mixing well. Gloves must be worn during application. The product can be applied by spraying, brush or roller. Final curing takes place at 24 hours. At least two coats should be applied. Second coat application should be applied after at least 12 hours from the first layer. It should not be applied in rainy weather or at temperatures below 5.

 Ready-to-use material; does not require heating and thinning.	 Applied by spraying, with a brush or roller.	 Application of the second coat must be started after 12 hours at least.
 The material must be applied after being mixed very well.	 The final curing is completed 24 hours later.	 Must not be applied in rainy weather or at temperatures lower than 5°C.
 Using gloves is strictly recommended during application.	 Must be applied in two coats at least.	



HAYPER T2000

HAYPER T2000 Water-based, one-component, elastic, water proofing , thermal insulation coating that can be used in roof terrace thermal insulation with low thermal conductivity value, containing micro GLASS beads and special CERAMIC additives.













Usage Areas

On the roofs of buildings, factories, schools, etc. All kinds of concrete, wood and steel structures, Exterior, metal, glass, wood, etc. surfaces.



Application Details

It is a ready-to use paint and do not require thinning. The material should be applied after mixing well. Gloves must be worn during application. The product can be applied by spraying, brush or roller. Final curing takes place at 24 hours. At least two coats should be applied. Second coat application should be applied after at least 12 hours from the first layer. It should not be applied in rainy weather or at temperatures below 5.

 <p>Ready-to-use material; does not require heating and thinning.</p>	 <p>Applied by spraying, with a brush or roller.</p>	 <p>Application of the second coat must be started after 12 hours at least.</p>
 <p>The material must be applied after being mixed very well.</p>	 <p>The final curing is completed 24 hours later.</p>	 <p>Must not be applied in rainy weather or at temperatures lower than 5°C.</p>
 <p>Using gloves is strictly recommended during application.</p>	 <p>Must be applied in two coats at least.</p>	

THERMO PLASTER

It is the perfect solution to provide both a levelling plaster and thermal insulation in one product while at the same time maintaining optimum levels of breathability and moisture management. The plaster system combines outstanding thermal performance with optimum vapor control and high mechanical strength. Hayperflex Thermal Plaster is primarily manufactured from a combination of especial mix of natural material to the best thermal insulation material.



Usage Areas

Premixed plaster for inside and outside, suitable for thermal insulation, sound absorption and dehumidification. It solves thermal bridge and mold caused by humidity, ensuring a healthy living space and a good living comfort. Moreover the product is a completely natural compound, ideal wherever the use of eco-friendly materials is required. It is used in place of rough cast on the surfaces such as brick-gas concrete and concrete-pumice blocks in the internal and external surfaces of buildings.

Application Details

The application surface is cleaned from dust, oil, paint and stains. The loose parts are removed mechanically until getting the solid ground. The absorbent and slippery surfaces should be primed with Hayper Concrete Primer. The strips that would determine the thickness of applied Hayperflex Thermal plaster are fixed on the wall.



A bag of Thermal Plaster facade light insulation plaster (9 kg) is emptied in a container in which the mixture will be made



6-7 litres of water are added, and it is mixed with a mixer for 2-3 minutes.



The prepared mixture must be used within 2 hours.



The prepared mixture is applied on the surface with a trowel or an equipment.





- MS-420 SAF POLYUREA
- HAYPERFLOOR PU 200

- AQUA HYPER 1K
- AQUA HYPER 2K

- PUR PAINT 1K
- PUR BITUMEN 1K

- PUR BITUMEN 2K



Polyurethane Products



MS-420

The 100% pure polyurea was developed as a two-component, spray able, aromatic coating suitable for waterproofing, protection and sealing in general. It's made up of two high reactive liquid components, isocyanates and amines, which are mixed together using specific spray equipment, to form an aromatic, continuous, seamless, high density, solid and elastic pure polyurea membrane, with high mechanical and chemical resistance qualities.



Usage Areas

For waterproofing and protection of:

ROOFING: Sloped and flat roofs (walkable), balconies and overhangs.

FLOORING: Car parks with heavy traffic, industrial floor surfaces with waterproofing and hard-wearing requirements including an approved non-slip finish.

BRIDGE DECK: coating under asphalt on concrete elements of civil engineering.

Tanks and irrigation canals, potable water contact. Retaining walls and foundations. Green roofs and walls. Power plants, recycling, water waste, water treatment and petrochemical plants. Swimming pools, aquariums, lakes. Near sea water Vehicle and boat coatings (bed liners) Asbestos roofs rehabilitation.

Application Details

Surface preparation strongly affects the coating performance.

Concrete substrates must be prepared mechanically using abrasive blast cleaning to remove cement laitance and achieve an open textured surface.

Weak concrete must be removed and surface defects such as voids must be fully exposed. Repairs to the substrate, filling of blowholes/voids and surface leveling must be carried out using Epoxy Filler. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

For application pull off strength of the surface should be min. 1.5 N/mm² and concrete residual moisture should be max. 4% pbw (with an appropriate moisture tolerant primer should be max. 6% pbw). The moisture content should be measured by moisture meter. Be aware of condensation; the substrate must be at least 3 °C above dew point to reduce the risk of condensation of the coating. Relative air humidity for application should be lower than 85%. Prior to application, confirm substrate moisture content, relative air humidity and dew point.



Before application, it is recommended that the temperature of components A and B be brought to 25°C.



Polyurea two component is applied with equipment that can spray 1/1 ratio with high pressure (Graco Reactor or other equipment) and that is hose heated.



Approximately 1 kg Polyurea 6012 must be sprayed on an area of 1 m² with 1 mm thickness.



Components A and B must be sprayed at 2000 psi and 650°C in minimum.



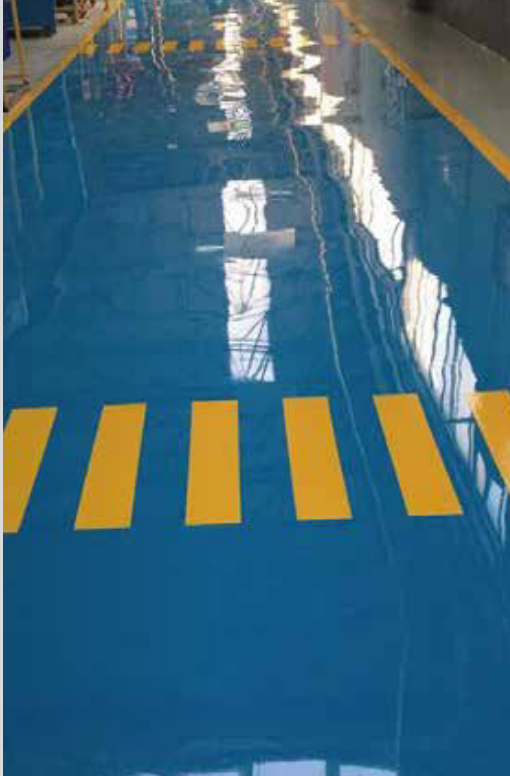
This pressure and temperature must always be kept constant.



HAYPERFLOOR PU 200

It is an isocyanate based, two component, solvent borne, UV resistant, glossy top coating which is scratch resistant and have high color stability and have high mechanical abrasion resistant. The product is none yellowing and UV resistance. The product have high resistant to atmospheric conditions. The product have very good gloss retention. The product have very good scratch resistance. The product have very good resistance to salt water, solutions with salts, diluted weak acids, gasoline and mineral oils. Easy to apply with an airless spray gun or roller. Easy to clean thanks to its smooth surface.





Usage Areas

Indoor and outdoor application. Horizontal and vertical applications. It can be used on concrete, steel and wooden surfaces. As a topcoat in places open to atmospheric conditions where high UV resistance, color stability and glossiness is required. As protection over epoxy systems for outdoor uses.

Application Details

Please contact Hayperflex technical department for more information about surface preparation according to the surface you're painting. The curing agent of the product is sensitive to moisture. Even small traces of water in the mixed paint will reduce the pot life and result in film defects. Open curing agent cans with caution as overpressure might exist. Store in a dry place and keep the can tightly closed until use. Contact Technical department for Primer to be used according to the surface you're painting.



The application must be made taking into consideration the mixture ratios of the components A and B, preferably with a low speed mixer, for 3-4 minutes until it becomes homogeneous.



The finished product must be applied on the undercoated surface with roller, brush or by spraying.



The application must be made in two coats at least and there must be a waiting time of 8-12 hours between the coats.



The application surface must be conserved from water for at least 4-6 hours.



Two component material. Does not require heating and thinning.



Using gloves is strictly recommended during application.



Must not be used in rainy weather or at temperatures lower than 5°C.

AQUA HYPER 1K

A polyurethane based, single component, ready to use, UV stable, walkable, solvent based coating and waterproofing material. It is cured with moisture in the air and forms a quite elastic and durable film which perfectly adhering to different surfaces. It has excellent mechanical and chemical characteristics providing high tension, tearing and wearing resistance. It is effective in water vapor transmission. The film is capable of breathing and it prevents the accumulation of humidity on the lower layer. The product have very good crack bridging characterizes.













Usage Areas

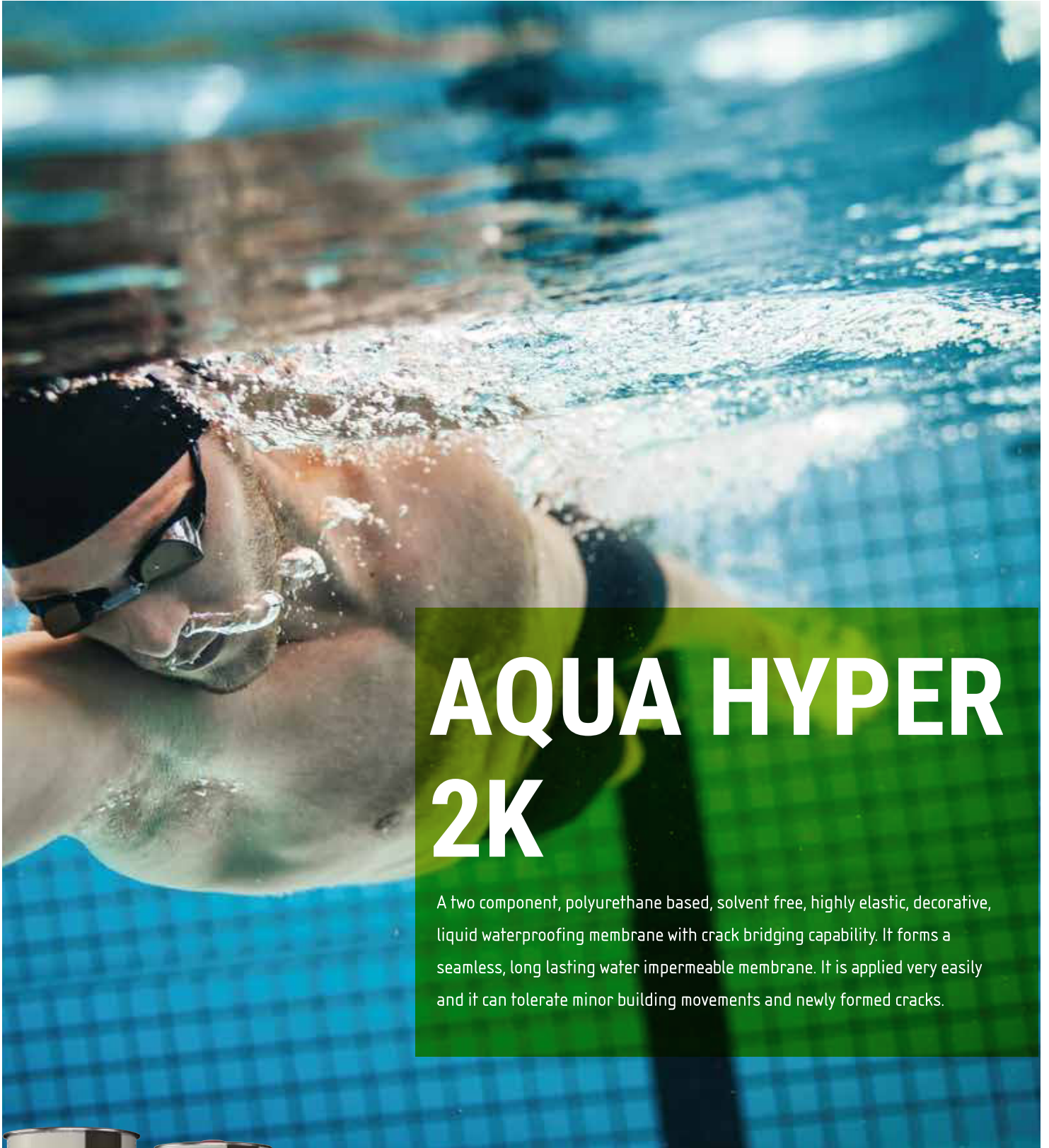
Concrete Roofs, Verandas and balconies, Bathrooms, Light roofs made of metal and fibrous materials, Asphalt membranes, EPDM membranes, Irrigation channels.

Application Details

Application surfaces should be dry and clean. Concrete and mold residues should be mechanically cleaned; oil, grease, fuel and paraffin residues should be cleaned by using chemical solvents. Damaged coatings, unsafe surfaces and cracks should be repaired with proper products. Aqua Hayper PUR-1K application can be made after applying an epoxy or polyurethane-based coating depending on the surface condition following the repair.



 <p>Ready-to-use material; does not require heating and thinning.</p>	 <p>Applied by spraying, with a brush or roller.</p>	 <p>Application of the second coat must be started after 12-72 hours at least.</p>
 <p>The material must be applied after being mixed very well.</p>	 <p>The final curing occurs within 5 days.</p>	 <p>Must not be applied in rainy weather or at temperatures lower than 5°C.</p>
 <p>Using gloves is strictly recommended during application.</p>	 <p>Must be applied in two coats at least.</p>	



AQUA HYPER 2K

A two component, polyurethane based, solvent free, highly elastic, decorative, liquid waterproofing membrane with crack bridging capability. It forms a seamless, long lasting water impermeable membrane. It is applied very easily and it can tolerate minor building movements and newly formed cracks.





Usage Areas

It is a liquid material which forms a , seamless, elastic and water impermeable membrane for terrace, roof, balconies and wall isolations. It is suitable to be applied at horizontal and vertical, concrete, metal and wooden surfaces.

Application Details

On Concrete, Wooden and Metal Surfaces: Application surfaces must be clean and dry. Loose materials must be removed and parts in disrepair must be repaired. The surfaces with moisture must be primed with Hayper SF-MT Epoxy Sealer . First 1 mm or wider cracks must be filled with the material; surface application must be carried out after the filling process.

Maintenance (old Concrete): Remove all grease, oil, chemicals and other impurities by detergent washing. Remove old peeling paint layer by grinding, milling or vacuum grit blasting. Choose the method best suited for the premises. Clean out pot-holes removing all loose friable material. Open cracks with e.g. an abrasive tool. Remove loose material and dust.



	<p>Ready-to-use material; does not require heating and thinning.</p>		<p>Applied by spraying, with a brush or roller.</p>		<p>Application of the second coat must be started after 12-24 hours at least.</p>
	<p>The material must be applied after being mixed very well.</p>		<p>The final curing is completed 48 hours later.</p>		<p>Must not be applied in rainy weather or at temperatures lower than 5°C.</p>
	<p>Using gloves is strictly recommended during application.</p>		<p>Must be applied in two coats at least.</p>		



PUR PAINT 1K

It is a single component, aliphatic polyurethane based topcoat that can be applied to concrete and metal surfaces indoors and outdoors. It forms a seamless, waterproof and high strength coating by rapidly drying on the surfaces it is applied. It is resistant to sunlight and does not fade or change color by time.





Usage Areas

The product can be used where mechanical and chemical resistance is required, and in open atmosphere and sunlight industrial buildings, It is used where brightness and permanence is desired. It can be used on concrete or metal surfaces, and can be used as top coat over epoxy coated surfaces, it can be used in indoor swimming pools.

Application Details

Oil, grease, dirt, paint, cement laitance, rust, mold oil, salt and any layers could effect on the adherence should be thoroughly cleaned before application. Surfaces must be clean, sound, free of lose material. Any cracks and fractures on the surface should be repaired with repair mortars carefully and the surface should be prepared. one coat of epoxy primer or polyurethane primer should be applied after the surface is ready. In order for the polyurethane coating to be applied successfully, the pores on the surface must be completely covered



The application must be made taking into consideration the mixture ratios of the components A and B, preferably with a low speed mixer, for 3-4 minutes until it becomes homogeneous.



The finished product must be applied on the undercoated surface with roller, brush or by spraying.



The application must be made in two coats at least and there must be a waiting time of 12-24 hours between the coats.



The application surface must be conserved from water for at least 4-6 hours.



Two component material. Does not require heating and thinning.



Using gloves is strictly recommended during application.



Must not be used in rainy weather or at temperatures lower than 5°C.



PUR BITUMEN 1K

Is a single component bitumen modified polyurethane based liquid waterproofing material. It is cured with moisture in the air. The product forms a quite elastic and durable film with superior adhering to different surfaces. It has excellent mechanical and chemical characterizes proving high tension, tearing and wearing resistance. The product is very effective in water vapor transmission and it give a film which is capable to breath and prevent accumulation of humidity on the lower layer. It is capable of bridging shrinkage cracks because of its elasticity. Product only contains pure elastomeric hydrophobic polyurethane resin and special inorganic admixture and it is ready to use. The product is freeze resistance and fast curing and it is highly adhesive to almost all types of surfaces coated or uncoated.





Usage Areas

It used as waterproofing for foundations, roofs verandas and balconies (providing that it is closed), wet floors, and it can be used as horizontally and vertically insulation material in high crack bridging characteristics. Also it can be used as waterproofing material over cement based lower layers and in very humid closed areas and under bathroom tiles and over asphalt bitumen seals.

Application Details

On Concrete, Wooden and Metal Surfaces: Application surfaces must be clean and dry. Loose materials must be removed and parts in disrepair must be repaired. First 1 mm or wider cracks must be filled with the material; surface application must be carried out after the filling process. All pointed ends and corners on the area of application must be rounded. Surface roughening should be performed on extremely impermeable (High resistance class) concrete and curtain walls in order to increase adherence.

Maintenance (old Concrete): Remove all grease, oil, chemicals and other impurities by detergent washing. Remove old peeling paint layer by grinding, milling or vacuum grit blasting. Choose the method best suited for the premises. Clean out pot-holes removing all loose friable material. Open cracks with e.g. an abrasive tool. Remove loose material and dust.



Ready-to-use material; does not require heating and thinning.



The material must be applied after being mixed very well.



Using gloves is strictly recommended during application.



Applied by spraying, with a brush or roller.



Must be applied in two coats at least.



Application of the second coat must be started after 12/24 hours at least.



Must not be applied in rainy weather or at temperatures lower than 5°C.



PUR BITUMEN 2K

Is a two component, bitumen polyurethane based, highly elastic, rapidly curing, liquid waterproofing membrane with crack bridging capability. It forms a seamless, highly flexible and long lasting water impermeable membrane. It is applied very easily and it can tolerate minor building movements and newly formed cracks.





Usage Areas

It used as waterproofing for foundation , retaining walls under-tile , in Bathrooms, Terraces, Roofs, for Roofs with inverted insulation , and as waterproofing for asphalt -and bitumen-felts, EDPM membranes. Also it can be used as protection and waterproofing material for constructions and construction elements exposed tp seepage water, interim and permanent water pressure. It is suitable for waterproofing of meniral surfaces such as concrete , stone , brick, briquette, plaster and cement finish. The product can be used as tank coating (exclude drinking water tank) and for waterproofing of water channels.

Application Details

On Concrete, Wooden and Metal Surfaces: Application surfaces must be clean and dry. Loose materials must be removed and parts in disrepair must be repaired. The surfaces with moisture must be primed with Hayper SF-MT Epoxy Sealer . First 1 mm or wider cracks must be filled with the material; surface application must be carried out after the filling process.All pointed ends and corners on the area of application must be rounded. Surfces roughening should be performed on extremely impermeable (Hight resistance class) concrete and curtain walls in order to increase adherence.



The material must be applied after being mixed very well (at 400 rpm with low speed mixer).



Using gloves is strictly recommended during application.



Applied with spraying, rabble, brush or roller.



Must be applied in two coats at least.



Application of the second coat must be started after 12/24 hours at least.



Must not be applied in rainy weather or at temperatures lower than 5°C.



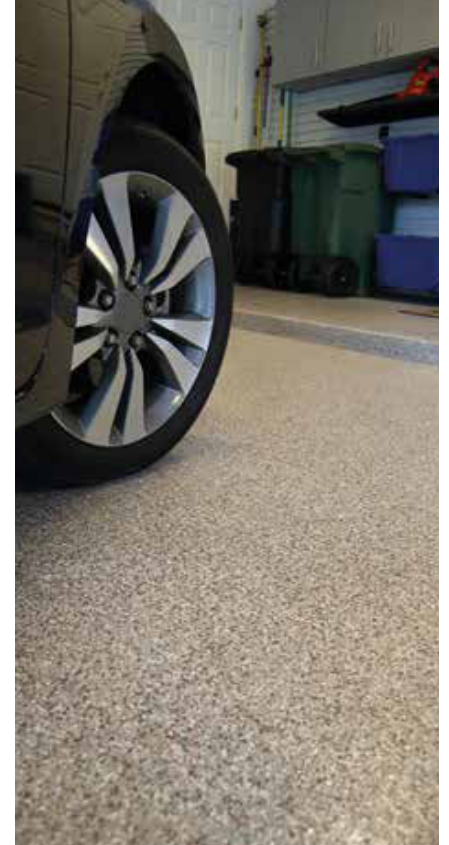
- TERRAZO COATING
- HYGLASS

- HAYPERFLOOR PU 2000 SL
- EPOXY SL300

- EPOXY PAINT SF
- EPOXY PAINT TIX0



Floor Coating



TERRAZZO COATING

It is a two-component, low VOC, low odor, thin-set epoxy resin binder. Vibrant epoxy matrix colors can be combined in varying percentages with fine and or coarse mineral aggregates (marble or granite), colored or recycled glass, mirror particles, plastic chips and noncorrosive metal fragments to produce limitless custom design options. It is an extremely durable seamless finish that has excellent resistance to abrasion and common chemicals.



Usage Areas

It is the ideal choice to provide extreme durability and ease of maintenance in heavy traffic commercial and institutional areas such as hospitals, pharmaceutical research centers, and schools, banks, building lobbies, shopping centers, grocery stores, airport terminals, train stations, convention centers and casinos.

Application Details

General Requirements: Surfaces must be dry, clean, sound and frost-free, with contaminants detrimental to bond removed.

Concrete: The concrete surface must be dry, clean and sound. Remove any dust, laitance, oil, dirt, curing agent, impregnations, wax, foreign matter, coatings and disintegrated material from the surface by any appropriate mechanical means.



Before application, the application surface must be levelled to achieve a seamless and smooth appearance.



The surface must be cleaned from weak particles and impurities that may adversely affect adherence.



If there is any water leaking that may adversely affect application, the application must not be started before eliminating the problem.



HYGLASS

It is a two component polyurethane based and elastic, hard waterproofing product. Especially used in waterproofing of glazed tiles and glossy surfaces such as ceramics, marble, granite and glass; after drying, it forms a transparent, rigid elastic and seamless layer. It is used for waterproofing without damaging the existing coating especially in living places such as balconies and terraces.





Usage Areas

It is designed to be used on glazed tiles and ceramics, concrete, plaster and screed, marble, granite, cotta, natural stone, pressed bricks, glass, glass bricks, mosaic, tile Mosaic, PVC, aluminum and woodwork, Used in GRP, PVC and polycarbonate roofing sheets.

Application Details

Oil, grease, dirt, paint, cement laitance, rust, mold oil, salt such as layers to reduce adherence should be thoroughly cleaned before application. Surfaces must be clean, sound, and free of carrier and free particles. Any cracks and fractures on the surface should be repaired with repair mortars carefully and the surface should be prepared. Leveling of the surface should be done well.



Two component, ready-to-use material, does not require heating and thinning.



The material must be applied after being mixed very well.



Using gloves is strictly recommended during application.



Applied by spraying, with a brush or roller.



Must be applied in two coats at least.



Application of the second coat must be started after 12-72 hours at least.



Must not be applied in rainy weather or at temperatures lower than 5°C.



HAYPERFLOOR PU 2000 SL

It is a self-leveling, two component, hard-elastic, self-leveling polyurethane coating with high impact and abrasion strength and very good resistance to acidic and basic solutions, used for self-leveling floor coating constructions. Cures by reaction (cross linking) of the two components. The Product give surface Resistance to several organic chemicals used in the food industry makes the system suitable for use in various food processing industries.














Usage Areas

As an easy to apply self-leveling floor coating with excellent adherence and resistant to cigarette burns, it is easy to clean to create a hygienic environment, the product has crack bridging properties (1.6 - 2.9 mm), elastic, sound absorbent (4 db depending on the application thickness) and have an attractive finish. The product can be used in hospitals & nursing homes & pharmaceutical industries , libraries , schools , meeting rooms & offices , hotels , exhibition halls , Physician practices , Shopping centers, cold Storage rooms , meat, poultry and fish processing plants, bakeries & confectionery industriesetc.

Application Details

New Concrete: Remove laitance by power grinding, vacuum grit blasting or hydrochloric acid etching. Choose the method best suited for the premises. After grinding remove dust carefully with a vacuum cleaner. Hydrochloric acid etching is carried out with diluted hydrochloric acid (1 part concentrated hydrochloric acid, 4 parts water). Rinse with plenty of water. Dry the floor.



 <p>The application must be made taking into consideration the mixture ratios of the components A and B, preferably with a low speed mixer, for 3-4 minutes until it becomes homogeneous.</p>	 <p>Fine cracks, joints, corners and edges must be supported with polyester felt after application of the first coat.</p>	 <p>Ready-to-use material. Does not require heating and thinning.</p>
 <p>Irreversible gelling will begin 30-45 minutes after the mixture.</p>	 <p>The application surface must be conserved from water for at least 6-8 hours.</p>	 <p>Using gloves is strictly recommended during application.</p>
 <p>The finished product must be applied on the undercoated surface with roller, brush or steel trowel.</p>	 <p>The application must be made in two coats at least, and there must be a waiting time of 12-24 hours between the coats.</p>	 <p>Must not be used in rainy weather or at temperatures lower than 5°C.</p>



EPOXY SL300

A high quality high build self-smoothing two component solvent free epoxy mixed with Silica Sand coating for application to new and existing concrete & metal floors. It provides smooth, easily cleaned surfaces which is resistant to dirt, moisture, oil, and light-medium abrasion and chemical attack and have the property of self-leveling.





Usage Areas

As an easy heavy duty coating which has a wide range of application uses ranging from light industrial areas to floors requiring long lasting protection from abrasion and heavy loads such as Warehouses, Garages , Dairies , Factories ,Laboratories, Aircraft hangars, Plant rooms, Food manufacturing plants and car parks. When used in conjunction with the appropriate slip resistant. The product is suitable for use in wet areas where strict levels of hygiene and cleanliness are required or where chemicals are manufactured, spilled or is an integral part of the process.

Application Details

New Concrete: Remove laitance by power grinding, vacuum grit blasting or hydrochloric acid etching. Choose the method best suited for the premises. After grinding remove dust carefully with a vacuum cleaner. Hydrochloric acid etching is carried out with diluted hydrochloric acid (1 part concentrated hydrochloric acid, 4 parts water). Rinse with plenty of water. Dry the floor.

Maintenance (old Concrete): Remove all grease, oil, chemicals and other impurities by detergent washing. Remove old peeling paint layer by grinding, milling or vacuum grit blasting. Choose the method best suited for the premises. Clean out pot-holes removing all loose friable material. Open cracks with e.g. an abrasive tool. Remove loose material and dust



Hayper SL300 is supplied in ready-to-use sets up to the mixture ratios.



The mixture must be prepared in the amount of application in consideration with the mixture's life.



Before mixing, it must be ensured that the material temperature is between (+) 15° and (+) 25°C.



Component A must be mixed with a mechanical mixer with 300 – 400 rpm for 3-4 minutes, with no air carried inside.



Afterwards, the whole Component B must be added on the Component A, and it must be made sure that there is no material left in Component B.



Components A+B must be mixed for at least 3 minutes until achieving a homogeneous mixture, and the prepared mixture must be consumed within 40-50 minutes.



EPOXY PAINT SF

A high quality high build two component solvent free epoxy coating for application to new and existing concrete & metal floors. The product is designed to be applied by roller or airless spray and it provides smooth, easily cleaned surfaces which is resistant to dirt, moisture, oil, and light-medium abrasion and chemical attack.





Usage Areas

As an easy heavy duty coating has a wide range of application uses ranging from light industrial areas to floors requiring long lasting protection from abrasion and heavy loads such as Warehouses, Garages , Dairies , Factories ,Laboratories, Aircraft hangars, Plant rooms, Food manufacturing plants and car parks. When used in conjunction with the appropriate slip resistant, the product is suitable for use in wet areas where strict levels of hygiene and cleanliness are required or where chemicals are manufactured, spilled or is an integral part of the process.

Application Details

New Concrete: Remove laitance by power grinding, vacuum grit blasting or hydrochloric acid etching. Choose the method best suited for the premises. After grinding remove dust carefully with a vacuum cleaner. Hydrochloric acid etching is carried out with diluted hydrochloric acid (1 part concentrated hydrochloric acid, 4 parts water). Rinse with plenty of water. Dry the floor.

Maintenance (old Concrete): Remove all grease, oil, chemicals and other impurities by detergent washing. Remove old peeling paint layer by grinding, milling or vacuum grit blasting. Choose the method best suited for the premises. Clean out pot-holes removing all loose friable material. Open cracks with e.g. an abrasive tool. Remove loose material and dust.



Epoxy Paint is supplied in ready-to-use sets up to the mixture ratios.



The mixture must be prepared in the amount of application in consideration with the mixture's life.



Before mixing, it must be ensured that the material temperature is between (+) 15° and (+) 25°C.



Component A must be mixed with a mechanical mixer with 300 – 400 rpm for 3-4 minutes, with no air carried inside.



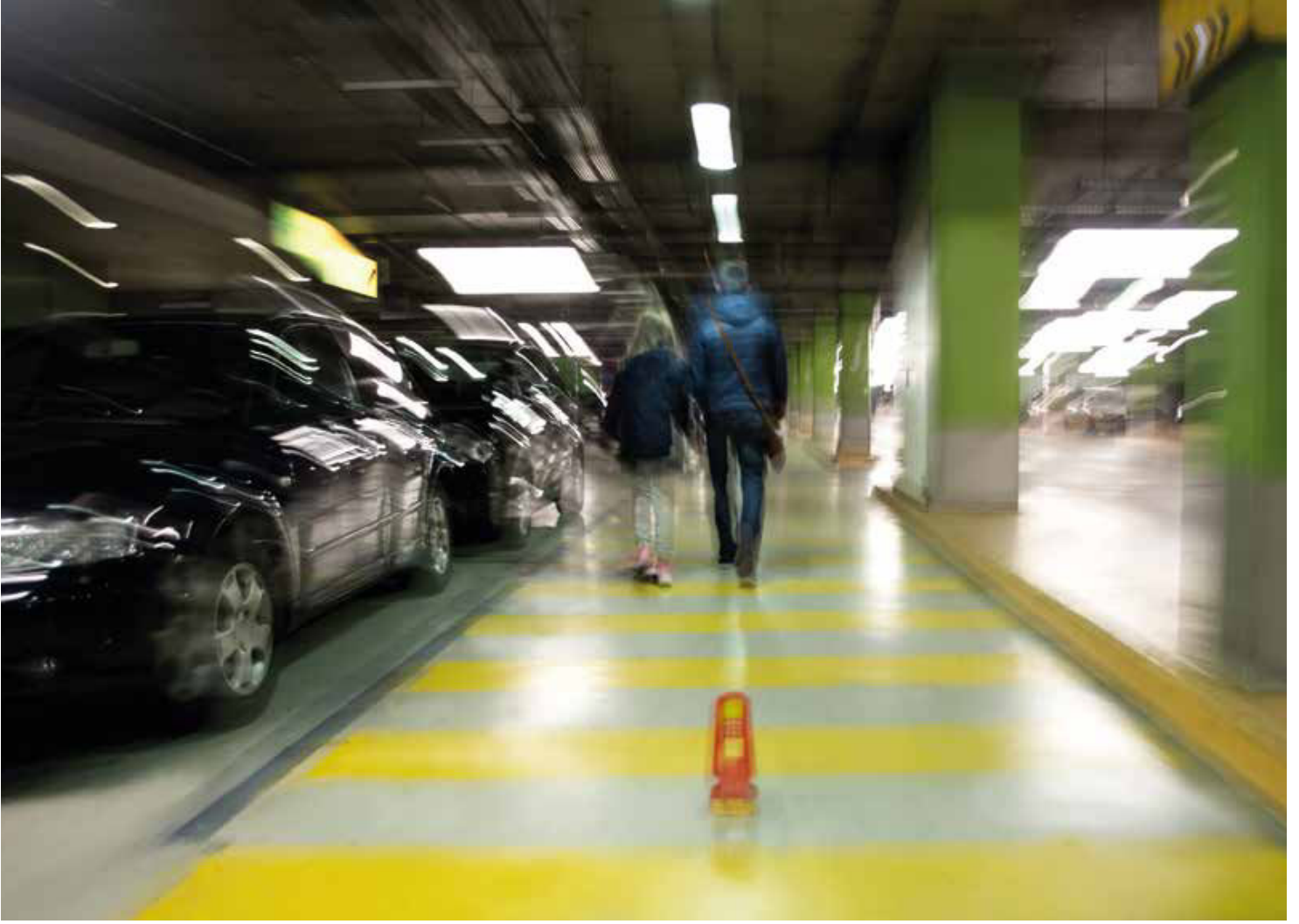
Afterwards, the whole Component B must be added on the Component A, and it must be made sure that there is no material left in Component B.



Components A+B must be mixed for at least 3 minutes until achieving a homogeneous mixture, and the prepared mixture must be consumed within 30-50 minutes.



The mixture that is homogeneously prepared must be poured and spread with a roller or a suitable apparatus.



EPOXY PAINT TIXO

Two-component, solvent-free epoxy resin based, topcoat, orange thick pattern, intensive thick paint. It provides decorative and aesthetic appearance on floors. Unusual designs can be obtained with different application tools. The product have very good scratch, impact, and water resistant and excellent resistant to various chemicals.





Usage Areas

Factories, warehouses, aircraft hangars, in stores and showrooms, In shopping malls, In halls and corridors, In schools and nurseries Hotels and museums, In the gyms,.....etc.

Application Details

New Concrete: Remove laitance by power grinding, vacuum grit blasting or hydrochloric acid etching. Choose the method best suited for the premises. After grinding remove dust carefully with a vacuum cleaner. Hydrochloric acid etching is carried out with diluted hydrochloric acid (1 part concentrated hydrochloric acid, 4 parts water). Rinse with plenty of water. Dry the floor.

Maintenance (old Concrete): Remove all grease, oil, chemicals and other impurities by detergent washing. Remove old peeling paint layer by grinding, milling or vacuum grit blasting. Choose the method best suited for the premises. Clean out pot-holes removing all loose friable material. Open cracks with e.g. an abrasive tool. Remove loose material and dust.



Epoxy Paint Tixo is supplied in ready-to-use sets up to the mixture ratios.



The mixture must be prepared in the amount of application in consideration with the mixture's life.



Before mixing, it must be ensured that the material temperature is between (+) 15° and (+) 25°C.



Component A must be mixed with a mechanical mixer with 300 – 400 rpm for 3-4 minutes, with no air carried inside.



Afterwards, the whole Component B must be added on the Component A, and it must be made sure that there is no material left in Component B.



Components A+B must be mixed for at least 3 minutes until achieving a homogeneous mixture, and the prepared mixture must be consumed within 40-50 minutes.



The mixture that is homogeneously prepared must be poured and spread with a roller or a suitable apparatus.



- HAYPER SL SCREED
- HAYPER LATEX

- DECO ASPHALT
- HAYPER PLUG

- FLEXIBLE MORTAR



Additives & Floor Coating



HAYPER SL SCREED

Is a cement based self-leveling floor screed which eliminates defects and undesired rough nesses on the concrete surface, it can be applied in thickness between 3 – 10 mm.



Usage Areas

The products is designed to be used on indoor and dry environments, and it can be used in residential buildings, hospitals, education facility buildings and for shopping malls and markets. It is also level the surface in 3 - 10 mm thickness before laying ceramic, granites, marble, hardwood, parquet, laminate, carpet and PVC covering.

Application Details

Special attention must be given that the application surface is cured.

The Application Surface must be clear of material prevent bonding such dust, oil, paint, silicone and curing agents and detergents. The surface must be sound, dry and free from cracks. The deference of level on the surface must be determined with tools such as water level and other leveling instruments. Prime the surfaces with Hayperflex Acrylic Concentrated Primer to increase resistance to absorbency or smoothness.



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



Mixture Ratio: 6 - 6.5 l water / 25 kg powder



Pot Life: 20 minutes
Initial Setting Time: 15 - 30 minutes
Final Setting Time: 60 - 90 minutes



Commissioning Time: 6 hours (walking on top)
24 hours (waiting before adhesion)
48 hours (full usage)



Consumption (Average): 1.70 kg/m²
(for 1 mm. thickness)



HAYPER LATEX

It is a synthetic rubber emulsion for adding to cement mortars where good adhesion and water resistance are required.

Usage Areas

Thin-layer repair mortars, Plasters, Floor screeds, concrete repair mortars, abrasion resistant lining, and ceramic bonding mortars and wall Mortars.





Application Details

Concrete surfaces should be clean, sound and free from oil, grease, cement laitance and all loosely adhering particles. The surface should be in a saturated surface dry condition. Pre-mix Hayperflex Latex and clean water, then add cement and sand until desired consistency is achieved. Mix for at least 3 minutes until a homogeneous mixture is achieved.

1/3



In order to increase adhesion to the surface before application, latex/water mixture must be prepared and added in a sufficient amount to the cement/sand mixture prepared in a ratio of 1/3.



For adherence: Water and Hayper Latex is mixed in a ratio of 1/1, and cement is added on it until it gets plasticised.



The cement slurry obtained is applied by laying or pouring on the surface.



Plaster or screed must not be applied without full setting occurs.

DECO ASPHALT

It is a unique floor covering system that includes the strength of cement and the flexibility of asphalt. Pattern and color options are the main features that distinguish the color and patterned asphalt coating systems from similar products.





Usage Areas

Pedestrian walkways, walking paths, ways of Prestige, squares, parking areas, sports fields, Factory Sites, site Paths, sidewalks, streets and Streets, indoor and outdoor Parking Areas Ceremony area and squares and Sports Fields.

Application Details

The 7 kg colored liquid component (Component B) in the plastic container is put into a clean container and mixed for 1-2 minutes at low speed. Add 1-1.5 liters of water to the mixture and add the mixer to a 400-500 rpm 1/2 inch drill, add 16 kg of powder (Component A) slowly to the mixture and mix thoroughly for 3-5 minutes until homogeneous. The paint is sprayed to the surface of the asphalt in one or two layers according to its closure with a double stage pump connected to a 110 PSI air compressor and a sprayer connected to it. The paint is spread on the surface of the asphalt with a brush so that there is no black color: In applications, the layer thickness reaches 0.5 mm in one coat and 1 mm in two coats.



Coloured liquid component (component B) in plastic drums of 7 kg. is taken into a clean container and mixed for 1-2 minutes at low speed.



The paint is sprayed with a two-stage pump connected to an air compressor of 110 PSI and with the spray connected to it on the surface of the asphalt in one or two coats, depending on the sealing.



The layer thickness in applications reaches 0.5 mm in one coat application and 1 mm in two coat application.



1 - 1.5 litre of water is added to the mixture; the mixer is attached to a 1/2" drill with 400-500 rpm, the powder part of 16 kg (component A) is slowly added to the mixture while mixing, and thoroughly mixed for 3-5 minutes until it becomes homogeneous.



The paint is laid on the asphalt surface with a brush until there is no black part left.



HAYPER PLUG

It is a special cement containing polymer and catalyst added stopper powder. When mixed with water, it provides an ultra-fast hardening, durable plugging mortar for active water leaks in concrete and brick walls.





Usage Areas


Indoor and outdoor, emergency response to pressurized water leaks, stopping or blocking capillary water leaks before insulation, joints on concrete and brick walls, basic curtain walls, basements, tunnels, instant cuts of active water leaks in water tanks, elevator pits and damaged concrete pipes, used to stop active water or leakage under pressure in cracks and holes. For sealing of cracks and construction joints in quick sewer connections, reservoirs and other water-retaining structures, it is used in ducts, sewage systems and mines formed from concrete and bricks, as well as in jointing between pipes and concrete segments. It is used on all horizontal and vertical surfaces.

Application Details


In order to seal active leaks, it is mixed with 1 part water and 2.5-3 parts of the product and mixed together until homogenous mixed is achieved. Keep the material in your hand (wear gloves) until a slight temperature is felt and hardening occurs. The pulped product should be pressurized with a gloved hand to the area where water leakage occurs for approximately 1-2 minutes. If the opening is too large to close with 0.5 kg, work from the middle to the edges following the procedure above. For chamfering and sealing applications at corner edge joints Open the cross section at a width and depth of at least 20 mm. Remove all debris and dirt. Apply the mortar to the prepared section and flatten. When chamfering, create concave grooves or corners at an angle of 45 ° C. The curing time cures in 2-4 minutes. If the applied mortar has hardened sufficiently, moisten it with clean water and maintain it for at least 15 minutes.




a) For plugging of active leaks;

- 


Mix 1 scale of water with 2.5-3 scale of material until it becomes homogeneous.

- 

Keep the material in your hand (always wear gloves) until it is felt slightly hot and hardening occurs.

- 


The plasticised product must be applied with pressure by a gloved hand for approximately 1-2 minutes on the area where the water leakage occurs.

- 


If the hollow is as big as it cannot be sealed with 0.5 kg, work towards the edges from the centre by following the steps above. Continue the fine processing after stopping the active water leak.




b) For bevelling and sealing on corner and edge joints;

- 


Open the section in 20 mm width and depth at least. Remove all residues and dirt.

- 

Apply the mortar on the section and level it.

- 

Make a concave hollow or corner with an angle of 45°C while bevelling.

- 

Curing
Setting completes in 2-4 minutes. When the mortar applied is sufficiently set, moisten with clean water and maintain the moist for minimum 15 minutes.



FLEXIBLE MORTAR

It is a cement-based, corrosion-inhibiting, polymer-modified, one-component, elastic repair mortar used as corrosion protection and adherence mortar for reinforcement.





Application Details

Use approximately 4.5 - 5.0 liters of clean water in a suitable plastic container.

1 bag (25 kg) of elastic repair mortar is added to the container under continuous stirring. Stirring is continued until a homogenous and lump-free mixture is obtained.

The mixture is allowed to rest for 2-3 minutes. The mixture is stirred again for a short time. Mixing should be done with low speed motor agitator and agitator tip. If the mixture is to be made by hand, it is recommended to prepare the mixture in smaller batches. If the mixture is to be prepared by machine, after proper water adjustment, the mixture is transferred to buckets and allowed to ripen. After 2-3 minutes, it is mixed again and made ready for use.

Usage Areas

Concrete, plaster and screed repairs Surface repairs before waterproofing, repair and filling of cracks, voids and cracks, forming corner chamfers ,used in exterior repairs.



Approximately a 4.5 - 5.0 litres of clean water is transferred into a container.



1 bag (25 kg) of elastic repair mortar is added into the container with continuous mixing.



The mixture is left to maturing for about 2-3 minutes.



The mixture is shortly mixed again. Mixing must be made with a low speed motor mixer and with a mixer tip.



Karışım elle yapılacak ise daha küçük partiler halinde karışım hazırlanması tavsiye edilir.



If the mixture will be prepared by hand, it is recommended to prepare the mixture in smaller batches.



It is made ready to use by mixing again 2-3 minutes later.



- CLEAR EPOXY
- HAYPER AC 101

- POOL PAINT
- FIREPROOF PAINT

- HAYPER T600
- LITHIUM HARDENER

- AQUATIC SHIELD
- AQUATIC SHIELD SB



Special Product

- PU FOAM INJECTION



CLEAR EPOXY

Is a solvent-free, two-component, high build polyamine cured epoxy varnish, which cures to a coating with excellent resistance to water, Household detergents, oils, and to abrasion.



Usage Areas

It is used as protection coat in 3D epoxy flooring systems and also it can be used as a protection coat over decorative metallic and pearl epoxies.

Application Details

Over 3D pictures: Make sure that you are using the correct kind of printing material that epoxy can stick on it. Clean the surface with warm water using cotton fabric and it is very important to change the fabric every 5 Square meter. Use 1 kg from each Square meters for 1 mm thickness.

Over decorative metallic and pearl epoxy: make sure that the application take place during the curing time of metallic and pearl coating and it exceeded that duration sanding must be done and then apply the product.



Hayper Clear is supplied in ready-to-use sets up to the mixture ratios.



The mixture must be prepared in the amount of application in consideration with the mixture's life.



Before mixing, it must be ensured that the material temperature is between (+) 15° and (+) 25°C.



Component A must be mixed with a mechanical mixer with 300 - 400 rpm for 3-4 minutes, with no air carried inside. Afterwards, the whole Component B must be added on the Component A and it must be made sure that there is no material left in Component B. Components A+B must be mixed for at least 3 minutes until achieving a homogeneous mixture, and the prepared mixture must be consumed within 40-50 minutes.



The transparent mixture that is homogeneously prepared must be poured on the painting, and spread with a roller or a suitable apparatus.



The layer applied on the painting must be protected from all kinds of external effects for 24 hours for a smooth appearance after application.



HAYPER AC 101



It is a product with a sophisticated formula which has been modified by special chemicals and polymers to eliminate the moisture and dampness problems in the interior and exterior walls of the buildings. The product is thermoplastic resin based, solvent based, single component. It can be applied to any kind of humid or dry walls, painted and unpainted surfaces. Thanks to its excellent alkali and moisture resistance, it prevents the formation of moisture on the walls and destroys if there is any. The product have a superior adhesion strength in all kinds of surfaces is and does not swell and have a very good chemical resistance, it is UV stable paint and have good resistance against rain, water or salt. It can be used interior and exteriorly, in basements, in garages or in cellars. It forms a film layer showing excellent moisture resistance on the surface applied. Even if the paint or wall is humid, it adheres very well to the surface. It is not affected by salt water and efflorescence. Thanks to this feature, it is also used to solve the problem of paint swelling in buildings. The product is designed to penetrate into the walls and dries up the humidity inside the walls with the special chemicals in its ingredients.











Usage Areas

It can be used in areas that are prone to condensation forming: On wall and ceiling that have problem of humidity and moisture. On painted or non-painted surfaces affected by humidity. In tunnels, on the walls of buildings facing north. In the elimination of problems arising from humidity and moisture.



Application Details

Mold and fungi grown on the surface should be removed by the use of appropriate mechanical means, and all the dust must be removed by vacuum. Apply one coat of the product and wait for 24 hours before applying the second coat. After 72 hours it possible to paint the surface with any colored emulsion paint.

 <p>Ready-to-use material; does not require heating and thinning.</p>	 <p>Applied with a brush or roller.</p>	 <p>Application of the second coat must be started after 12 hours at least.</p>
 <p>The material must be applied after being mixed very well.</p>	 <p>The final curing occurs within 5 days.</p>	 <p>Must not be applied in rainy weather or at temperatures lower than 5°C.</p>
 <p>Using gloves is strictly recommended during application.</p>	 <p>Must be applied in two coats at least.</p>	

POOL PAINT

It is a two component chemically curing aliphatic acrylic polyurethane coating designed to be painted in swimming pools. It has a glossy finish with very good gloss retention. To be used as topcoat in atmospheric environments. The product is not affected by water or water pressure. The Product is UV resistance and have very good resistance against alkali and chloride.





Usage Areas

In swimming pools and water tanks. For metal water tanks. For water channels, dams and ponds. In water treatment tanks.



Application Details

For Concrete surfaces: All surfaces (new or old) must be clean, dry and free from grease and oil, laitance, curing compounds, form board release agents and any other contaminants which may impair adhesion of the product. Remove any residual paint with paint stripper, scraping, grinding and/or sand blasting to achieve a clean surface, for new concrete surfaces must have "cured" for at least 28 days and should be porous, and of a light broom finish to ensure maximum adhesion between base coat and concrete. Diamond disk grinding is necessary and use the surface should be sealed with suitable primer.

Over Ceramic surfaces: the surface of ceramic must be clean, dry and free from oils or grease.



The application must be made taking into consideration the mixture ratios of the components A and B, preferably with a low speed mixer, for 3-4 minutes until it becomes homogeneous.



Two component material. Does not require heating and thinning.



The application surface must be conserved from water for at least 4-6 hours.



The finished product must be applied on the undercoated surface with roller, brush or by spraying.



Using gloves is strictly recommended during application.



The application must be made in two coats at least, and there must be a waiting time of 12-24 hours between the coats.



Must not be used in rainy weather or at temperatures lower than 5°C.



FIREPROOF PAINT PLUS

It is a water based, non-flammable paint that provides expansion and fire insulation for the protection of structures from fire up to 180 minutes.





Usage Areas

All kinds of plastered, painted and unpainted interior and exterior surfaces. Concrete, Wood and Steel Structures. Roofs, fire escape. In all places where fire resistance is required. School, nursery, hospital, theater and cine halls. Plasterboard wall partitions and ceilings. In -Baca - Thermal power plants and industrial buildings, factories. -Military facilities.

Application Details

It can be made with a brush, roller, or a suitable sprayer. Before the application, dilute the product with 50% of clean water and applied as a primer. The primer is then allowed to dry for 4 hours. After the primer, the surface is prepared in two coats without diluting with an interval of 4 hours and the paint process is completed.



With brush, roller or a suitable spray gun.



Before application, it must be applied on the surface as primer by being thinned with water at a rate of 50%. olarak uygulanır.



Afterwards, the primer is left to set for 4 hours.

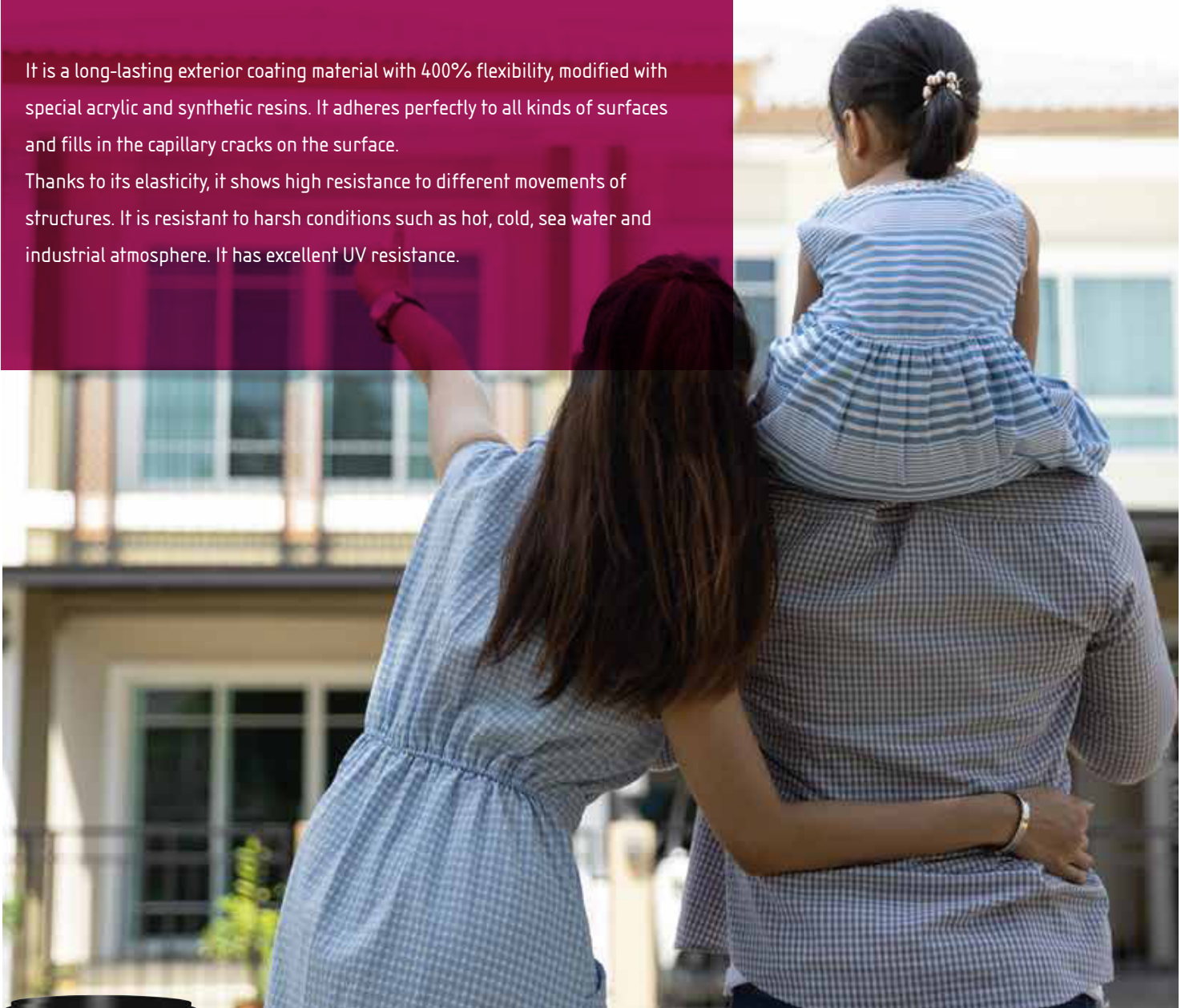


After the primer, application is made on the prepared surface in two coats without diluted with water with 4 hours between.

HAYPER T600

It is a long-lasting exterior coating material with 400% flexibility, modified with special acrylic and synthetic resins. It adheres perfectly to all kinds of surfaces and fills in the capillary cracks on the surface.

Thanks to its elasticity, it shows high resistance to different movements of structures. It is resistant to harsh conditions such as hot, cold, sea water and industrial atmosphere. It has excellent UV resistance.





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



Drying Time:

Drying for 2nd layer application: 6 hours

Full dry: 24 hours

Lower temperature and higher relative humidity
prolongs the drying time.



Application Tools: Brush, roller, spray gun

Usage Areas

It is for exterior use.

It used over cement plaster.

Concrete Surfaces.

Cement boards.

On painted surfaces.

Application Details

Any material that reduce adherence such as oil, grease, dirt, paint, cement grout, rust, mold oil, salt should be thoroughly cleaned before applying.

Surfaces must be clean, strong, free from carrier and free particles.

Cracks on the surface should be repaired carefully with Repair Mortar and the surface should be prepared.

Primer application should be started after the surface is ready.

Acrylic primer or thinning should be done by thinning the product itself.



LITHIUM HARDENER

Lithium based, ready to use, chemical concrete surface hardener. It is a Nano Lithium Surface Treatment that penetrates, densifies and protects the surfaces by chemical reaction with the surfaces, which is breathable, abrasion resistant and forms an extremely hard clean, dense, durable inorganic surface layer. It is the perfect solution for concrete floors where long-term protection is required against heavy wear, misuse, moisture, dirt build-up, alkali and bloom (salt residue). It is a colorless, odorless, water-based, VOC (volatile organic compounds) conditions and environmentally safe to use.





Usage Areas

Manufacturing factories, Storage facilities, Distribution centers, Food processing plants, Textile factories, Waste water treatment plants, Pharmaceutical industry, electronics, cold storage / freezers, Beverage processing, chemical processing, multi store car parks, Aircraft hangars, parking spaces, transportation terminals, Car care areas, office buildings, cafeterias and restaurants, Shopping centers, schools, training facilities, chemical fields, Laboratories, soil stabilization, etc.

Application Details

The product can be applied by Spray, roller or brush. On new or old concrete (Always test all concrete surfaces for suitability and desired results. Allow surface to dry before inspection and approval of desired application) Recommended for routine cleaning, washing and mechanical scrubbing of floors with detergent and mild cleaners or water. Do not use acidic cleaners.



Dry concrete floors, must be moistened.



With brush, roller or a suitable spray gun.



Allow drying of the surface before examining and approving the desired application



It is recommended for the surfaces to be cleaned, washed or mechanically rubbed routinely with detergent and light cleaning agents or water. Do not use acidic cleaning agents.



AQUATIC SHIELD

It is a water-based water-repellent sealer specifically designed for concrete, brick, natural stone and masonry. Aquatic Shield works better and lasts much longer than conventional sealers because it chemically reacts with the substrate to form an insoluble, water-repellent barrier. This barrier is within the surface so it cannot wear away, fade, yellow, crack or peel. The finished application enhances the surface's natural color still allowing breathability.





Usage Areas

Concrete, masonry, cement rendering, and natural stones.

Application Details

For professional use only. Surface must be clean, dry and free from traces of dirt, grease, oil, dust, organic growth and any other contaminate that may interfere with the penetration or reaction of the Aquatic Shield. Surface temperatures must be above 40°F/4°C and remain above 40°F/4°C for a minimum of 24 hours. Use as supplied. Do not dilute with water or any other solvents. Always apply a test patch in an inconspicuous area and confirm the results are acceptable for continuing. Use this test patch to determine adequate coverage levels. Protect greenery from over spray.

Aquatic Shield is best applied with a low pressure sprayer. A common garden sprayer is adequate for most jobs. Airless spray equipment is more efficient for larger projects. Can also be applied by mop, flooding and squeegee, broom, brush or roller. Apply two coats at the recommended rates of coverage. Do not allow product to pool on the substrate surface.

IMPORTANT: treated surfaces will begin to develop water repellency soon after the initial application of Aquatic Shield has dried. Since Aquatic Shield is water-based it is necessary to apply the second coat immediately after the first coat is dry, so that the second coat will not be repelled by the first. This may mean that large projects will need to be completed in sections.



Aquatic Shield SB, must be applied without thinning, by spraying, with a roller or brush until saturating.



Care must be taken that the material does not flow on the surface.



Tools must be cleaned with water after application.



The material must be applied in two coats with maximum four hours of waiting time in absorbent surfaces.



The material must be protected from rain until it is cured.



The material must be applied in one coat in low absorbent surfaces.



Using gloves and goggles is strictly recommended during application; contact with eye and skin must be avoided.

AQUATIC SHIELD SB

It is a solvent based Silane Siloxane water repellent sealer that penetrates deep into the surface where it chemically reacts to form a hydrophobic barrier within the pores. The hydrophobic barrier, which can last for up to 10 years, will reduce surface water absorption by up to 95%. Surfaces sealed with the Aquatic Shield SB instantly become more resistant to the damaging effects of water absorption, such as cracking, spalling, pitting, freeze thaw and ice damage, staining, mold and mildew growth, and the formation of efflorescence.





Usage Areas

Concrete, masonry, cement rendering, and natural stones.

Application Details

For professional use only. Surface must be clean, dry and free from traces of dirt, grease, oil, dust, organic growth and any other contaminate that may interfere with the penetration or reaction of the Aquatic Shield. Surface temperatures must be above 40°F/4°C and remain above 40°F/4°C for a minimum of 24 hours. Use as supplied. Do not dilute with water or any other solvents. Always apply a test patch in an inconspicuous area and confirm the results are acceptable for continuing. Use this test patch to determine adequate coverage levels. Protect greenery from over spray.

Aquatic Shield is best applied with a low pressure sprayer. A common garden sprayer is adequate for most jobs. Airless spray equipment is more efficient for larger projects. Can also be applied by mop, flooding and squeegee, broom, brush or roller. Apply two coats at the recommended rates of coverage. Do not allow product to pool on the substrate surface.

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Aquatic Shield SB, must be applied without thinning, by spraying, with a roller or brush until saturating.



Care must be taken that the material does not flow on the surface.



Tools must be cleaned with water after application.



The material must be applied in two coats with maximum four hours of waiting time in absorbent surfaces.



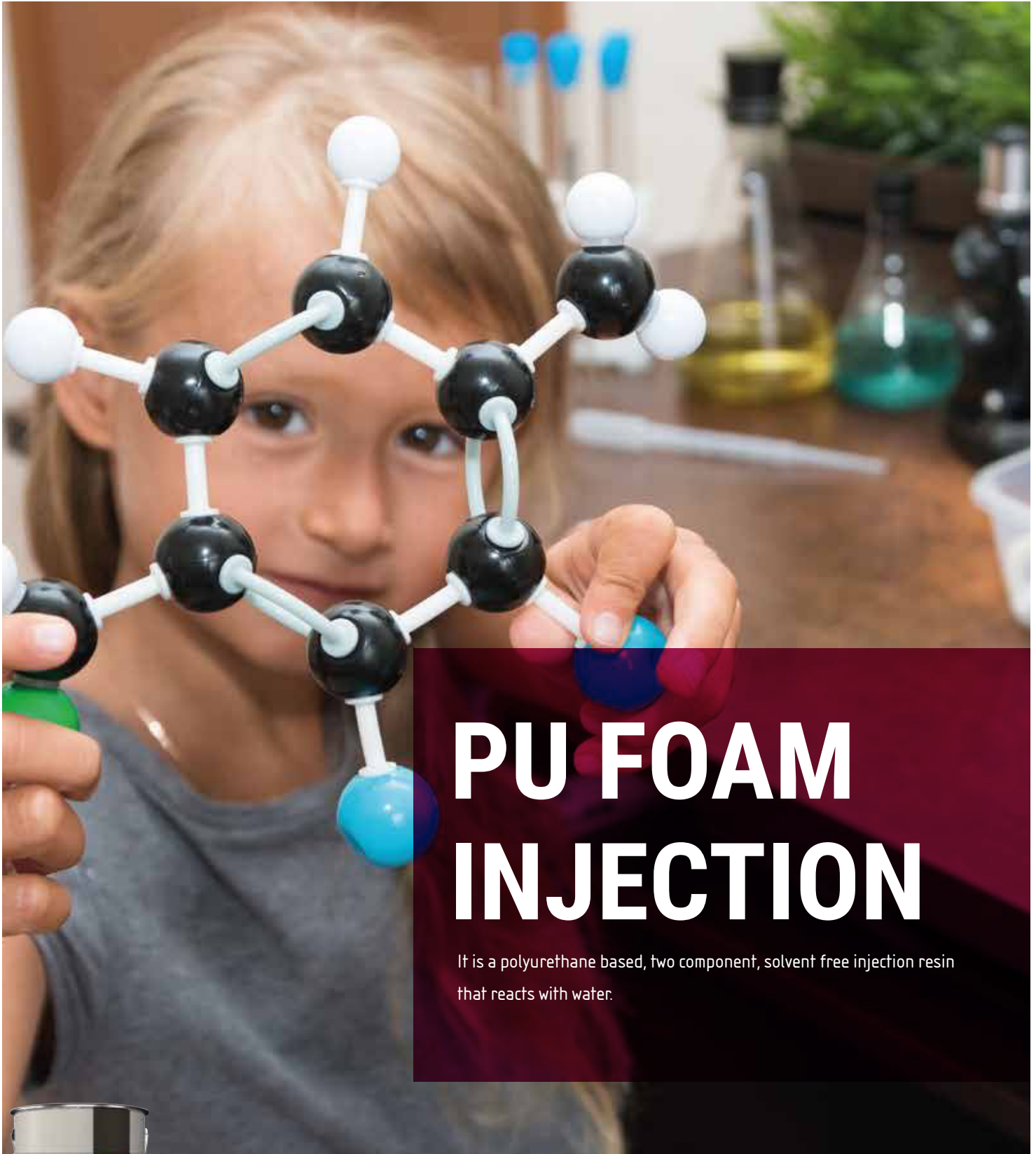
The material must be protected from rain until it is cured.



The material must be applied in one coat in low absorbent surfaces.



Using gloves and goggles is strictly recommended during application; contact with eye and skin must be avoided.



PU FOAM INJECTION

It is a polyurethane based, two component, solvent free injection resin that reacts with water.





Usage Areas

inside waterproofing cracks, insulation of moving cracks , Insulation of cold joints , In water tanks and swimming pools inside tunnel and underground tanks , Used for internal insulation of basements. Suitable for concrete, stone and solid bricks.

Application Details

Components A and B are mixed with a low speed mixer (below 400 rpm) and mixer tip until homogenous. The mixture should be stirred slowly and drained of moist air into the mixture to ensure that the reaction does not start before contact with water. The prepared mixture should be applied without waiting. Only prepare a sufficient quantity of the mixture. Do not apply at temperatures below +50 ° C. Pot life of polyurethane based products is limited. Especially in hot environments, the mixture should be used immediately. Mixing should not be done other than the specified mixing ratio.



Components A and B are mixed slowly with a low speed mixer (below 400 rpm) and it is mixed by means of a mixer tip until it gets homogenous.



It must be ensured that the reaction initiates before getting in contact with water.



The prepared mixture must be applied without waiting. Prepare only a sufficient amount of mixture.



Application must not be made in temperatures below +50°C.



Pot lives of polyurethane based products are limited. Especially in hot environments, the mixture must be prepared in an amount that will be used immediately. No more amount of mixture must be prepared than it is specified.

HAYPERFLEX



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