



Profesyonel 2K+

Description

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

Fields of Application

Waterproofing of;

- Sub-base building structure surfaces (horizontal/vertical) 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.

Properties

- Flexible and crack-bridging.
- Can be used on brick walls without plastering and provide adherence.
- Easy to apply (by brush or trowel) on both vertical and horizontal surfaces.
- Forms a seamless moisture and waterproofing membrane.
- Resistant against conditions where substrate is exposed to several factors such as salt solutions, chemicals in regular soil, weak acids. Performance will remain the same for several years.
- Resistant to freeze-thaw cycles.
- Suitable for areas and surfaces where vibration or motion is present.
- Solvent free.

Preparation of Substrates

- The substrates should be dry, clean and solid.
- The surfaces to be coated should be free of adhesion preventive foreign substances such as dust, dirt, mould oil, paint etc.
- The sub-surfaces that are not strong enough to carry themselves e.g. cracked plasters, weak surfaces, or residues of moss should be cleaned from the application surface.
- Use Tamirart series repair mortars in case of any loose and uneven substrates to get a sound and flat surface.
- Corners should be rounded with Tamirart S40.
- Movement joints and seams must be first waterproofed with Kalekim Dilatation Band.
- In order to prevent air bubbles that may occur during or just after the application on highly porous surfaces, pores should be treated by Tamirart 40 or Profesyonel 2K+.
- For improved adhesion on the surface; İzoline Astar (Primer) should be used as a primer.

Application

- Pour the powder component into the liquid component then mix up using an electric mixer until getting a homogenous mixture without any lumps.
- When the total amount of package is not required, mix the powder with liquid at a mixing ratio of 24:8 by weight.
- After the primer has dried, apply minimum in 2 coats with a brush or trowel. Wait for 1-2 hours between coats depending on temperature.
- Depending on the roughness of the surface and the water pressure that waterproofing layer will be exposed to, the application thickness of the product can be increased if necessary.



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Post-Application Protection & Suggestions

- To reinforce the waterproofing membrane on large areas, at horizontal and vertical corners and to bridge the existing cracks, apply with fibre mesh of 70 - 90 g/m². In waterproofing of foundation and sub-base retaining walls, protect the applied surface with suitable bricks, drainage or insulation boards.
- Since it is not UV resistant, it should be properly covered after application.
- Backfilling must be done, after Profesyonel 2K+ is cured completely.
- Prepared mixture should be used within 3 hours. Dispose mixture of which pot life is expired. Right after the application clean tools and hands with water.
- The applied surfaces should be protected from adverse weather conditions such as direct sunlight, strong air flow, high air temperature (over + 35 °C), rain and frost in the first days.
- Packaging should be kept closed when the application is paused. The product must be protected from freezing.
- Surface and ambient temperature should be between + 5 °C and + 30 °C during application.
- Apply on dry or damp (but not wet) surfaces.
- No additives should be added other than recommended in the technical data sheet.
- Application should not be done in rainy weather.
- Should not be applied against negative water pressure.
- Application tools should be cleaned with water immediately after the application.
- The consumption values in the table refers to an average consumption amount. It may vary depending on the application conditions and surface properties.
- For further information refer to the safety data sheet.

Storage

- Should be kept dry and cool at between +5°C and +35°C in damp free conditions avoiding direct sunlight.
- Should be protected from water, frost and adverse weather conditions.
- Maximum 3 buckets should be stacked on top of each other.
- Shelf life is maximum 24 months under above mentioned storage conditions.

Packaging

- Liquid: 24 kg, Powder: 8 kg.
- Available in A+B component 32 kg plastic pails.

Quality Certificates



Conforms EN 15814

Technical Properties

(at 23°C and 50% RH)

General Data

Appearance	1st component: Black-brown liquid; 2nd component: Grey powder
Shelf Life	24 months when stored in the original sealed packaging.
Solid Content Ratio	A Component: 59%; A+B Component: 70 ± 4,0%

Application Data

Application and Surface Temperature Range	(+5°C) – (+35°C)
Application Thickness	min. 3 mm dry film thickness
For moisture resistant insulation	min. 3 mm dry film thickness
For non-pressure water resistance	min. 4 mm dry film thickness
For pressure water resistance	
Mixing Ratio	24 kg liquid / 8 kg powder
Consumption	Approx. 1.0 – 1.5 kg / m ² 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

Density (mixture)	1,20± 0,03 gr/ml
Crack Bridging (EN 15812)	Class CB2
Waterproofing Capacity (EN 15820)	Class W1
Resistance to Rain (EN 15816)	Class R2 (8 hours)
Resistance to Water (EN15817)	Pass
Low Temperature Flexibility (EN 15813)	Pass
High Temperature Dimensional Stability (EN 15818)	Pass
Reaction to Fire (EN 13501-1)	Class E

Please Note: All suggestions and application instructions herein are based on our latest technical experience. Due to a wide variety of individual application conditions, the user alone is responsible for any consequences deriving from the use of the product.

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