



EPOXYKRON-F AB

Two-component solvent free epoxy-based primer and coating

DESCRIPTION OF THE PRODUCT

EPOXYKRON-F AB is it's a two-component solvent free epoxy-based coating with excellent chemical resistance to organic and inorganic acids, oil derivatives, alkalis, detergents and several solvents.

APPLICATION FIELDS

Thanks to its high mechanical resistance EPOXYKRON-F AB is ideal as primer on concrete bridge decks under waterproofing polymer-bitumen membranes on which hot asphalt is subsequently laid. It is also suitable for parking decks, industrial areas, warehouses, department stores, etc.

SURFACE PREPARATION

Clean the support thoroughly to eliminate dirt, dust, loose materials, any form of oil or grease and surface treatments. The substrate must be clean and dry (moisture less than 4%).

APPLICATION AS EPOXY PRIMER

Mix the two components (comp. **A**-Epoxy + comp. **B**-Hardener) in ratio 1 : 0,3 Kg with an electric stirrer (300-400 rpm), until a homogeneous mixture without darker or lighter spots or streaks is obtained. Apply the product by brush or roller in two coats. The second layer should be applied within 24 hours from the application of the first coat.

After 2 hours approx. from the second coat application, apply a quartz dust cover (0,1 – 0,3 mm).

After fully curing of the product, clean the surface from the loose sand particles. Polymer-bitumen waterproofing membranes can be torched-on EPOXYKRON-F AB after 48 hours from the application of the second layer.

PRIMER TECHNICAL CHARACTERISTICS

Density	1,46 gr/cm ³	
Pot life at 23°C	40 min. approx.	
Mixing ratio A (Epoxy resin) : B (Hardener)	100 : 30 (by weight)	
Application rate	0,2 – 0,3 Kg/m ² per layer	
Light trafficking	24 hours	
Final cure	7 days	
Minimum application temperature	+8°C	
Mechanical values after 7 days at 23°C		
Test	Standard	Value
Abrasion resistance	ASTM D 4060	76,0 mg
Adhesive strength	EN 1542	3 N/mm ² approx.
Compressive strength	ASTM D 695	54 N/mm ²
Flexural strength	EN 196-1	32 N/mm ²
Hardness (Shore D)	DIN 53505	80

APPLICATION AS SELF-LEVELLING EPOXY FLOORING (containing quartz sand)

Mix the components **A**-Epoxy resin + **B**-Hardener in ratio 1 : 0,3 Kg with an electric stirrer (300-400 rpm), until a homogeneous mixture without darker or lighter spots or streaks is obtained. Add then gradually 1,3 Kg of quartz sand (component **C**, with granulometry 0,1 – 0,3 mm) under continuous stirring.

Apply the mix with a smooth trowel or a screed board to a thickness of 2-3 mm.

For levelling and additional deaeration use a spiked roller.

Appliers should wear spiked shoes.

If a final non-slip surface is needed, apply 0,4-0,8 mm quartz sand on freshly laid EPOXYKRON-F AB. After the complete curing of the product, loose sand has to be removed to apply a further final layer of EPOXYKRON-F AB (previous mix components A + B + C).

SELF-LEVELLING EPOXY FLOORING TECHNICAL CHARACTERISTICS

Density	1,90 gr/cm ³	
Pot life at 23°C	40 min. approx.	
Mixing ratio A (Epoxy resin) : B (Hardener) : C (Quartz)	100 : 30 : 130 (by weight)	
Application rate	0,95 Kg/m ² + 0,95 Kg/m ² of quartz	
Light trafficking	24 hours	
Final cure	7 days	
Minimum application temperature	+8°C	
Mechanical values after 7 days at 23°C		
Test	Standard	Value
Abrasion resistance	ASTM D 4060	81,0 mg
Adhesive strength	EN 1542	3 N/mm ² approx. (concrete failure)
Compressive strength	ASTM D 695	101 N/mm ²
Flexural strength	EN 196-1	49 N/mm ²
Hardness (Shore D)	DIN 53505	80



CONSUMPTION

As Primer: 0,2-0,3 kg/m² approx. per layer + final quartz dust cover (6-800 gr/m² - granulometry 0,1 – 0,3 mm)

As self-levelling epoxy flooring 1 mm thick.: 0,95 kg/m² (+ 0,95 kg/m² of quartz dust cover 0,4 – 0,8 mm if a non-slip surface is required)

WARNING

Do not add any additives, water or solvents. Do not use if the packaging is damaged. Before applying on concrete ensure that the substrate is well cured with no humidity trapped in it (less than 4%). Apply the product at temperatures between +5°C and + 35°C. Protect the applied product from frost and high temperatures. Immediately clean tools after use with C-Epoxy Thinner.

PACKAGING

15,8 Kg (A+B) Buckets

25 Kg bag of quartz sand (0,1 – 0,3 mm)

STORAGE and SHELF-LIFE

12 months from production date properly stored in original, unopened and undamaged sealed packaging at temperatures between +5°C and +30°C

PRECAUTIONS

For information about safety, user must refer to the most recent Safety Data Sheet, edited in accordance with the regulations in force, which contains physical, toxic and other data about the product in use.