



KEMIPOX CONCRETE PRIMER

Two-component epoxy primer, solvent-free, based on modified epoxy resin, allowing the adhesion of coatings on concrete substrate, even humid.

Application Fields

KEMIPOX is used as a primer on concrete substrates (even wet) for: floors, back pressure casing, concrete tanks (renovation)

Characteristics

Chemical Nature	2-component epoxy (primer) resin	Mixing ratio	Comp. A / Comp. B = 100 / 16.8 in weight
Composition	Component A - epoxy : Grayish viscous liquid Component B – amine hardener : Transparent amber liquid	Density (at 20°C)	Mixture A+B : 1.4 g / ml (DIN 53217 / EN ISO 2811)
Solvent-free	100 % solid content (ISO 1515)	Mixture flash point	>100°C

Advantages

Improved adhesion on concrete substrate, even humid	Solvent-free	Easy application
Possibility to load the primer with dry sand to create mortars and make patches or fill concrete holes to even the substrate		

Properties

Concrete adhesion		3.5 MPa (concrete failure) (NF EN 1542)	
Pot Life	30 min (500g at 20°C)	Self-levelling film (400g/m ²)	15 min
Tack-free film	90 min	Touch dry	2 hours

Implementation

Application	On new concrete, more than 21 days old, or old concrete (renovation) with no curing agent, no grease, or other polluting agent, the surface is prepared mechanically, by grinding or sandblasting, or chemically. Manual application : use 250 g to 300 g/m² depending on substrate quality. In case of a very tight and closed surface, dilute primer with MEK in a proportion of 5 to 7.5 % of the total weight. After application, sand completely the primer with dry 0.4/0.8 calibrated sand. Possibility to load the primer with dry sand to create epoxy mortars and make patches or fill concrete holes to even the substrate		
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Application temperature	12°C min. / 50°C max.		
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Pot Life	Temperature	+ 10°C	+ 20°C	+ 30°C
	Pot life	~ 40 minutes	~ 30 minutes	~10 minutes
The pot life decreases as the temperature and / or amount of prepared product increases.				

Covering time	Before application of SOUPLETHANE on KEMIPOX			
	Temperature	+ 10°C	+ 20°C	+ 30°C
	Mini	24 hours	12 hours	8 hours
	Maxi	4 days	2 days	1 day

These data are only indicative because the curing time varies according to the drying conditions (temperature and relative humidity in particular)

Tools cleaning : Tools are cleaned with acetone or MEK immediately after use. In the cured state, the product can only be removed mechanically

Packaging	In pre-dosed kits
10 kg	1 pail Comp. A : 8.6kg + 1 pail Comp. B : 1.4 kg

Stockage

From the date of manufacture and in original unopened packaging, under cover at 8 - 20 °C in a cool, ventilated place (frost free)
Storage at low temperatures can cause crystallization of Component A.
Shelf life : 12 months