



Kimicover FIX

ST6-0319

Bicomponent epoxy water-based resin



DESCRIPTION

Kimicover FIX is a two-component epoxy resin for the consolidation of porous and friable substrates in concrete, lime, gypsum, fired and to make surfaces compact, dustproof, ideal for a good anchoring of coatings. It is water based, odorless, solvents free, it is ideal to use in closed rooms, poorly ventilated or with processing of food products. **Kimicover FIX** is supplied in two pre-dosed containers (A, resin + B, hardener).

It is CE marked as a protective coating according to the 1504-2 for the principles of intervention MC and IR.

The product is part of the Kimia systems which got the Certificate of Technical Eligibility (CIT) n.392.


ADVANTAGES

- **Performing:** no solvents, it can be used in environments dedicated to the processing of food.
- **Versatile:** extremely versatile.
- **Easy to apply:** can be applied by roller, brush or spray using an airless pump.

USES

It is used in the reclamation cycle of asbestos-cement structures to prepare the surface to the finishing treatment with **Kimicover BLINDO** and for the superficial consolidation of substrates in concrete, stone, chalk and terracotta as a preliminar step to the application of **Betonfix** mortars and **Kimicover** or **Kimitech** resins. It can be used as an adhesive bridge for the concrete joints between the casting (ask the MSDS to ufficiotecnico@kimia.it for technical details).

APPLICATION

	Roll or brush application		First hardening: 120 mins
	Mechanical device application		

Pour component 'B' (hardener) into component 'A' (resin), mix well with a low spill drill (200-300 rounds per minute) until a perfect mixture is obtained. Plasters and concrete to be treated must be previously cleaned through sanded down and rinsed with water to remove all kinds of paint, grease, moss or lichen that could hinder the perfect adhesion of the product. Concrete floorings to be finished with epoxy or cement-based mortars will have to be treated mechanically through milling or blushhammering according to the specific need, cleaned with specific cleaners and high pressure, the exceeding water will have to be removed with specific cleaners too. **Kimicover FIX** must be applied by brush, roller or spray. During application, consider that the following covering will have to be carried out within the following 6-36 hours.

CONSUMPTION

- concrete or wood substrates: 0,2 Kg/m²;
- masonry substrates: 0,3 Kg/m²;
- reed or chalk substrates: 0,5 Kg/m².

PACKAGING

Con 6 kg (Resin: 1,3 Kg – Hardener: 4,7 Kg)
Pallet 100x6 – 600 Kg
Con 18 kg (Resin: 4 Kg – Hardener: 14 Kg)
Pallet 20x18 – 360 Kg.

STORAGE

Protect from humidity. Store in a dry, sheltered place. Stored in these conditions and in unopened containers, the product remains stable for 24 months.

Characteristics	Value
Number of components	2, resin and hardener
Catalysis ration in weight	A:B=1:3,5
Colour	Transparent
Odour	None
Solvents	None
First curing time at 20°C	2 hours
Total curing time at 23°C	7 days
Min temperature of application	+5 °C
Glass transition temperature T_g EN 12614	+78,5 °C
Density (A+B) UNI EN 2811-1	1,10 ± 0,05 g/cm ³
Min consumption	0,1 Kg/m ²
Resin refraction index	1,550
Hardener refraction index	1,365

Characteristics	EN 1504-2 limits	Value
Adhesion to concrete UNI EN 1542	Flexible systems without trafficking >0,8 Mpa; with trafficking >1,5 Mpa. Rigid systems without trafficking >1 Mpa; with trafficking >2 MPa.	> 2 N/mm ²
Permeability UNI EN ISO 7783-2	Class I (permeable to vapour) Sd < 5 m Class II 5 m ≤ Sd ≤ 50 m Class III (not permeable to vapour) Sd > 50 m	Class I
Capillar absorption and permeability to water UNI EN 1062-3	< 0,1 Kg/m ² ·h ^{0,5}	< 0,1 Kg/m ² ·h ^{0,5}
Reaction to fire class	Declared value	F

WARNING

Product intended for professional use. Do not apply the product if rain is forecast, if it is foggy, on surfaces wet with dew and at temperatures lower than +5°C. The equipment used for the preparation and application of **Kimicover FIX** must be cleaned with water before curing starts. The product must be handled with care: use gloves, protective creams and goggles to avoid contact with skin and eyes. In the case of contact with the eyes, rinse with abundant water and consult a doctor. The information in this sheet is based on our experience but this is not a guarantee for the final result of the product applied.

The client will have to verify that the sheet is update and that the product is fit for its specific use.