

TECHNICAL DATA SHEET



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PRODUCT

EPOKITT EPOXY RESIN liquid and tixo

CHARACTERISTICS

Epokitt epoxy resin is a product resulting from the reaction between liquid epichlorohydrin and bisphenol A, modified with a bifunctional reactive diluent. Its low viscosity allows penetration into very thin cracks. Its low surface tension also allows an improved surface wettability and adhesion and a slightly lower viscosity for the liquid version. The reactive diluent increases its pot life as well as its flexibility (impact resistance); it also limits the strength of the solvent and improves its resistance to acids. Tixo version does not turn yellow even after years. Other features: improved filling power, less odor, lower vapor pressure and potentially lower risks for what concerns the treatment of epoxy resins. Thanks to its curing agents as aliphatic polyamines and polyamides, EPOKITT is used in civil engineering where high loading filler (flooring), plastering, concrete reinforcement, structural adhesives, high solid paints and applications to be injected into cracks, are required. This resin can also be used to reinforce marble slabs, by making it penetrate into cracks, or even by welding the fiberglass net in the back of a slab. On some types of granite, it may enhance the wet effect. The EPOKITT has a low tendency to crystallization. In order to definitely prevent it, it is enough to keep the product at temperatures not lower than 25 °C.

TECHNICAL DATA

	RESIN M5107	HARDENER M5108	Liquid version
Specific gravity	1100 ± 20 g/l	1030 ± 20 g/l	(MI 001)
Solid weight	100 %	> 70 %	(MI 006)
Viscosity	3800 ± 100 cP	270 ± 20 cP	(MI 002; 25°C)
Gardner Color	Trasparent, colorless	Trasparent, colorless	

	RESIN M5112	HARDENER M5113	Tixo version
Specific gravity	1150 ± 20 g/l	1100 ± 20 g/l	(MI 001)
Solid weight	100%	>70%	(MI 006)
Viscosity	1600 ± 100 Pas	1050 ± 100 Pas	(MI 002B; 25°C)
Consistency	1200 ± 50 Pas	950 ± 100 Pas	(MI 002B; 25°C)
Gardner Color	Iced white	Iced white	

STORAGE

Keep the container well closed and stored in a cool (temperature below 25°C) and ventilated environment for a maximum period of 12 months from the date of production marked on the tin. Avoid direct sun exposure.

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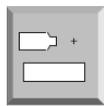


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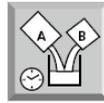
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SAFETY RECOMMENDATIONS

During application and drying time, ventilate the room. We recommend the use of appropriate PPE during application.

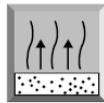


Mixing ratio 100g : 50g



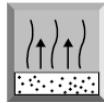
Gel time 20 - 30 min

(MI 003; 25°C)



Thin film curing time 2 - 4 h

(MI 012; 25°C)



Complete curing time 1 - 2 days

(MI 012 ; 25°C)

APPLICATION

- Prepare the surface to be treated by cleaning it up and possibly by sanding it with a 250 grit sandpaper to make it as uniform as possible.
- Withdraw an appropriate amount of resin and add the required amount of catalyst, according to given ratios and mix.
- Apply a uniform layer with a roller or brush as needed and allow it to dry for as long as necessary. The product forms a thin protective film that is completely transparent and does not alter the characteristics of the medium on which it is applied.