

EPOX CLEAR

Transparent, self-leveling epoxy product (A+B)

Description

Epoxy solvent-free transparent product. Cross-linked with amino cyclo aliphatic hardener, nearly colourless.

Applied as “self-leveling”, **EPOX CLEAR** allows to see the substrate. In this way it is possible to insert drawings and objects.

Uses

Shops
Offices
Showrooms
Restaurants and Bars
Apartments

Substrate

The substrate must have the minimum resistance to compression of 25 N/mm² and to traction of 1,5 N/mm².

Preparation of the substrate

- Concrete substrates will have to be solids, dry (seasoned time must be respected), leveled, absorbent, not polluted by oils, cleaners, dusts or any other substance.
- Substrates with tiles have to be shot-blasted or strongly grinded in order to obtain an opaque surface.
- On substrates already covered with resin, it is important to check that the resins has the correct adhesion to the floor. When yes, grind it and go on with the application



Application

Mix the 2 components in a recipient and mix them using a drill mixer.

Quickly apply the product by trowel for a maximum consumption of 2,5 kg/sqm for a thickness of 2,5 mm.

In the case were necessary to use a spiked roller to uniform the surface and to facilitate the deaeration of the system.

Thickness higher the 2,5 mm aren't advised for a problem of transparency of the film.

In order to have a coloured product, add dispersion from **COLORPASTA'S** series, or any other compatible dispersion.

Technical Data

Colour	Transparent
Density	1,10 +/- 0,05 g/ml
Viscosity (A+B) at 25°C	600 +/- 120 mPascal (Spindle 2, rpm 60)
Pot-life	at 30°C > 40 minutes
	at 25°C 35 minutes
	at 15°C > 90 minutes
Tack free time	at 30°C and 50% U.R. 4-6 hours
	at 25°C and 50% U.R. 8-10 hours
	at 15 °C and 50% U.R. 18-22 hours
Consumption	max 2,5 kg/m ²
Mixture ratio in weight	A=100 B=40
Flash point	> 100°C
Walk-on time	at 25°C e 50% U.R. 24 hours
Overcoat time	at 25°C e 50% U.R. Min 18 hours and max 36
Transit-on time	48 hours (50% U.R.)
Curing time	7 days
Application conditions	Temperatures between +15°C and +30°C and U.R. ambient <50% and U.R. of the substrate < 4%
Compression strength (UNI 4279)	90 N/mm ²
Flexion resistance (UNI 7219)	80 N/mm ²
Traction resistance (ASTM D 638)	62 N/mm ²
Hardness (ASTM D 2240)	82 Shore D
Solvent to clean the tools	UNI solvent
Storage	12 months in a dry and protected place, at temperatures between 5°C and 35°C
Resistance to abrasion (TABER Mola CS-17-1000 rounds-1000 g in weight) UNI 8298-9	55-65 mg
Chemical resistance	Good chemical resistance to several chemical aggressive substances; please refer to our Technical Service for any advice
Linear thermic expansion coefficient	20x10 ⁻⁶ °C ⁻¹
Maintenance	For cleaning operation use neutral cleaners

(*) **EPOX CLEAR**, when applied at temperatures of the substrate <15°C, and when in contact with water or with waterborne product could form white marks. This defect of chemical resistance is due to incomplete crosslinking.

Therefor, **EPOX CLEAR** have to be applied at a temperature of the substrate not <15°C and at least >3°C of the dew point.

(**) Before using "A" component verify the transparency of this compound. The presence of white crystal would indicate a partial crystallization of the product.

To eliminate this crystal (reversible phenomenon) to warm "A" component until a transparent system is obtained.

CAUTION:

The coatings of **EPOX CLEAR**, when under direct sunlight, can change colour with tendency to yellow or become less bright; this does not compromise the performances of the coating in any way. Few differences can be possible in between different batches of the same colour.

When possible, use products from the same batch.

For applications at low temperatures it is possible to warm the product up to 25°C to make the application easier (less viscosity). direct sunlight, can change colour with tendency to yellow or become less bright; this does not compromise the performances of the coating in any way