

SPORTS SURFACES

DATA SHEET

EPOCON 312 TIXO

**Three-component epoxy-cement coating in water dispersion
for damp decks**

CHARACTERISTICS

Epocon 312 Tixo is a three-component epoxy-based thixotropic coating/primer, formulated to smooth and level cement decks even when humidity is present. The product ensures excellent adhesion on all building materials and concrete structures, floors and walls, even when no vapour barrier is installed. The product may be painted with any cycle of low, medium and high thickness epoxy, polyurethane and epoxy-polyurethane resins. Epocon 312 Tixo may also be used as waterproofing resistant to reverse thrust. Epocon 312 Tixo is also ideal for the laying indoor brushed finish flooring (bathrooms, kitchens, etc.). For this type of application please contact the Technical Office of Casali S.p.A. for more information on the laying cycle most suited to your specific requirements.

APPEARANCE

Comp. A: white viscous liquid
Comp. B: milky white liquid
Comp. C: white powder

CHARACTERISTICS OF THE LIQUID PRODUCT

Characteristic	U.M.	Value	Tolerance
Specific weight	Kg/dm ³	1,85	± 0,05
Dry mass residue	%	77,5	± 2
Mixing ratio (A:B) by weight	-	A:B:C = 39,6:8,4:52	-

LAYING INSTRUCTIONS

Tools	Thinner	Type of thinner	Cleaning tools
Brush	Approx. 10%	Water	Water
Roller	Approx. 10%	Water	Water
Smooth metal trowel	As required	Water	Water

APPLICATION METHOD

Epocon 312 Tixo may be applied with a smooth metal trowel, so that after mixing the three components, quartz sand (grading 0,1 to 0,3 mm) should be added in a ratio of 1: 0,5. The second coating may be applied "as is". If the product has fillers, it should be diluted with just enough water to ensure easy laying.

LAYING SURFACE

The surface should be perfectly clean with no traces of oil, grease, and dust.

CONSUMPTION

The minimum recommended coverage is 1,2 Kg/sqm applied in two coatings, to stop rising damp.

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APPLICATION INSTRUCTIONS

Ambient and deck temperature: MIN 5° C - MAX 35° C

DRYING AND HARDENING AT 23°C AND R.H. OF 50%

Pot life	60'
Surface dry	5 - 7 h
Interval between coatings	12 h

The times indicated refer to standard laboratory conditions. Drying times are strongly influenced by the weather; high temperatures and direct sunlight accelerate drying; shadows, low temperatures and high humidity levels delay drying. In winter, lay the product in the central and warmer hours of the day. Always ensure that the previous layer has hardened correctly before applying the next layer.

CHARACTERISTICS OF THE DRY PRODUCT

Characteristic	U.M.	Value	Tolerance
Transmission speed of water vapour	gr/sqm 24h	25	± 5
Compressive strength	bar	10	± 2
Adhesion to reinforced concrete	MPa	> 3,5	± 0,5

PACKAGING INSTRUCTIONS

Colours available	White
Packaging	A + B + C = 16 Kg

STORAGE INSTRUCTIONS

Storage temperature:	MIN 5°C - MAX 35°C
Stability in the original package:	6 months

SAFETY STANDARDS

Please read the safety data sheet carefully before using this product.

*The data provided by these data sheets are approximate and the Company reserves the right to modify the same for technical reasons, without prior notice. The solutions proposed do not represent all the possible uses but are merely case studies deriving from Casali's installation experience and are therefore intended only for purposes of illustration. The user is exclusively responsible for the way the products illustrated are used, whether properly or improperly, for evaluating in advance the suitability or otherwise of the product for its requirements and exerting the utmost caution in handling chemical products. **Important: to ensure best colour uniformity of surface laid products, we recommend that you use materials from the same production lot as finishing layer. The Technical Office of Casali's Synthetics Division is at your complete disposal for any further specific information or explanations you may require (phone 071 9162095).***

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