



PRODUCT	Epocon 312 Tixo
MISSION	Three-component epoxy-cement coating in water dispersion for damp decks
CHARACTERISTICS	<p>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.</p> <p>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 Casali's Technical Office for more information on the laying cycle most suited to your specific requirements.</p> <p>Epocon 312 Tixo has been tested for resistance to negative counterthrust according to EN 8298 – 8; the product has no anomalies up to a pressure of 100 KPa.</p>
APPEARENCE	Comp. A: white viscous liquid Comp. B: milky white liquid Comp. C: white powder

CHARACTERISTICS OF THE LIQUID PRODUCT

CHARACTERISTICS	VALUE	TOLERANCE	U.M.
Specific Weight:	1,855	± 0.05	Kg/dm ³
Dry mass residue	77,5	± 2	%
Mixing ratio	A : B : C = 39,6 : 8,4 : 52		

APPLICATION INSTRUCTIONS

TOOLS	THINNING	TYPE OF THINNER	TOOL CLEANING
Brush	MAX 5 %	Water	Water
Roller	MAX 5 %	Water	Water
Smooth metal trowel	Approx. 10 %*	Water	Water

* = in weight based on the Epocon 312 Tixo + quartz sand 0,1 – 0,3 mix

The dilution can be slightly modified based on the weather conditions, but we suggest not to exceed the the suggested quantities.

MAPPLICATION METHOD	<p>Pour Component A in a bigger drum, add Component B and start mixing until reach an homogeneous blend; pour with small amount every time all the Component C and mix properly to reach a creamy liquid without lumps.</p> <p>In case of application with smooth metal trowel for the smoothing of decks, we suggest to add quartz sand 0,1 – 0,3 mm using the following mixing ratio by weight:</p> <p style="text-align: center;">Epocon 312 Tixo : quartz sand 0,1 – 0,3 mm = 1 : 0,5</p> <p>To make it workable add water as indicated in the Application instructions in the data sheet..</p>
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LAYING SURFACE	The surface should be perfectly clean with no traces of oil, grease, dust and the medium roughness must be 0,5 mm. In case of excessive roughness, porosity and absorption of the deck we suggest to apply first a primer such as Epobase A, 12 – 24 h before the application on Epocon 312 Tixo.
CONSUMPTION	The minimum recommended coverage is 1,2 Kg/sqm applied in two coatings, to stop rising damp.
APPLICATION INSTRUCTIONS	Ambient temperature MIN 15° C MAX 30° C Deck temperature MIN 15° C MAX 35° C Environmental humidity MAX 70 % Avoid application with high temperature and direct sunlight especially during hot seasons, so privilege fresher hours. In reverse for cool seasons focus the application during the warmer hours and avoid application with threat of rain, frost o high humidity.
DRYING AND HARDENING AT 23° C AND 50 % U.R.	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 affected by the weather; high temperatures and exposure to direct sunlight accelerate drying; shadow, low temperatures and high humidity delay drying. During winter it is advisable to lay the product in the middle of the day when it is warmer. Always ensure that the previous layer has cured perfectly before applying a new coating.

CHARACTERISTICS OF THE DRY PRODUCT

CHARACTERISTICS	VALUE	TOLERANCE	U.M.
Transmission speed of water vapour:	25	± 5	gr/sqm 24h
Compressive strength	10	± 2	bar
Adhesion to reinforced concrete	> 3,5	± 0,5	MPa
Resistance to the negative counterthrust (EN 8298 – 8)		100	KPa

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 APCKAGE 6 months
SAFETY STANDARDS	Please read the safety data sheet carefully before using this product.	