



PRODUCT	Epobase FU 14
MISSION	Two-component Primer for damp decks
CHARACTERISTICS	<p>Epobase FU 14 is a two-component special epoxy resin based primer; this product is used as a primer on cement decks even in very humid conditions (e.g. 7 - 10 day-old concrete decks), and ensures excellent adhesion. Epobase FU 14 also ensures excellent resistance to counter-thrust and acts an excellent anchoring layer, and vapour and anti-humidity barrier for liquid waterproofing coverings, sports courts and industrial flooring. Epobase FU 14 may also be used as a vapour barrier directly on ceramic and Kliner flooring before laying the resin layers. Can be used also as vapour barrier before the application of parquet.</p> <p>Epobase FU 14 can be applied to metal substrates (sheet metal, steel, orthotropic plates of steel viaducts, etc.), after adequate roughening or shot blasting, to obtain an ideal adhesion base for subsequent resin cycles. While the product is still fresh and curing, we recommend seeding it with dried quartz sand with a grain size of 0.3-0.5 mm to improve the anchoring of subsequent waterproofing resin layers or walkable/driveway coatings.</p> <p>Before applying Epobase FU 14, it is necessary to measure the humidity of the screed with specific instruments (carbide hygrometer, contact hygrometer, etc.) to ensure that it does not exceed 5%. If this situation occurs, the product cannot be applied and it is necessary to wait for further curing.</p> <p>Epobase FU 14 is an excellent anchoring layer before pouring more concrete to improve adhesion on the concrete.</p> <p>Epobase FU 14 has been tested for resistance to negative counterthrust according to EN 8298 – 8; the product has no anomalies up to a counterthrust pressure of 250 KPa.</p>
APPEARENCE	Comp. A: Straw yellow low-viscosity liquid Comp. B: Reddish medium-viscosity liquid

CHARACTERISTICS OF THE LIQUID PRODUCT

CHARACTERISTICS	VALUE	TOLERANCE	U.M.
Specific Weight:	1.06	± 0.05	Kg/cu.dm
Dry residue	99	± 1	%
Residue at 450°C	0	± 1	%
Viscosity (with Brookfield viscometer rotor 4 speed 20)	1700	± 300	mPa.s
Mixing ratio A: B in weight	A : B = 62 : 38		

APPLICATION INSTRUCTIONS

TOOLS	THINNING	TYPE OF THINNER	TOOL CLEANING
Brush	Ready-to-use		DIL S1
Roller	Ready-to-use		DIL S1





APPLICATION METHOD	<p>Epobase FU 14 may be applied on flat surfaces in a single coating, while on vertical surfaces two coatings are required (12-24 hours) at a short interval, to avoid excessive running.</p> <p>Successive layers of the product must be applied within 12-24 hours from the last coating to avoid problems of adhesion between the different layers.</p> <p>Before more concrete is poured, the second cast must be poured on the fresh product, immediately after the application of Epobase FU 14.</p>
LAYING SURFACE	<p>The surface must be perfectly clean with no traces of oil, grease, and dust or pooling. The deck must be prepared to remove the loose surface layer and soluble salts and to roughen the surface in order to improve the adhesion of the next resin coating. The technique to use should be decided at the work site according to the type of deck, the condition of the deck, the mechanical properties and final thickness. In any case the maximum relative humidity allowed is 5 %.</p>
CONSUMPTION	<p>In order to obtain the best effect to the counter-thrust, the product should be applied with a thickness of 300 microns, corresponding to at least 300-350 gr/sqm. Coverage on concrete for levelling screeds depends on the absorption and porosity of the deck; for normal contract this is generally 200 gr/sqm.</p>
APPLICATION INSTRUCTIONS	<p>Ambient temperature: MIN 10°C – MAX 35°C Relative humidity: MAX 90% Deck temperature: MIN 10°C – MAX 40°C</p>
HARDENING AT 23° C AND 50 % U.R.	<p>Pot life: 25' Interval between coatings: 12 – 24 h Complete curing time: 5 – 6 days</p> <p>ATTENTION: the reaction of the product is extremely exothermic; this can cause a drastic decrease of the pot life time if, once mixed, the product is left in mass in the original box. So we recommend to proceed with one of this solutions:</p> <ol style="list-style-type: none">1) Once the mix is completed, split the product in 2 or 3 clean and dry boxes and proceed with the application possibly simultaneously;2) Mix small quantity of material regarding to respect the mixing proportion;3) Once the mix is completed, if the surface can allow that, pour the material on the surface and apply that very quickly with a short hair roll or by metal spatula. <p>We recommend to stock the material always in shaded areas avoiding the direct sun light. The times indicated refer to standard laboratory conditions.</p> <p>Drying times are strongly affected by the weather; high temperatures and exposure to direct sunlight accelerate hardening; shadow and low temperatures delay hardening. 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 hardened perfectly before applying a new coating.</p>



CHARACTERISTICS OF THE DRY PRODUCT		
CHARACTERISTIC	VALUE	UoM
Resistance to counterthrust pressure (EN 8298 – 8)	250	KPa
Water vapor transmission properties (UNI EN ISO 7783:2019)	S _d : 7,19	m
Adhesion on galvanized sheet metal	1,68	N/mm ²
Adhesion on fibre cement	> 1,62 (failure of the substrate)	N/mm ²
Adhesion on glazed ceramic	5,68	N/mm ²

PACKAGING INSTRUCTIONS	COLOURS AVAILABLE Neutral	PACKAGING A + B = 5 – 10 Kg
STORAGE INSTRUCTIONS	STORAGE TEMPERATURE MIN 5° C MAX 40° C	STABILITY IN THE ORIGINAL PACKAGE 6 months
SAFETY STANDARDS	Please read the safety data sheet carefully before using this product.	



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