

STARCEMENT 5/A

cod. 6802 M040
9396 0000



Product

2 COMPONENT EPOXY WATER BASED PRIMER

Features

- It meets the requirements of the 13813 standard for synthetic resin-based screeds
- Nontoxic, odorless and easy to apply.
- Anti oil and dust
- Suitable for indoor and poor ventilation environment.
- Visible Pot Life.
- Suitable for moisture and back-wall substrate.
- High mechanical characteristics, hardness and abrasion resistant.
- Application temperature from +10°C to +45°C substrate. Operating temperature from -25°C to +90°C (in air).

Application fields

Water based epoxy coating primer. Strengthening, anti-dust, anti-wearing. Oil and fuel resistant. Bonding for fresh concrete adhesion. Strengthening for crumbling and porous concrete substrates. Strengthening for crumbling for de-bonding mortars on masonry. Primer for DUROGLASS FU LEVEL in case of particularly dry substrates. Primer for waterproofing using STARFLEX MONO, over as built bituminous sheath and poorly absorbing substrates.

Application

Two component compounds to be mixed prior to use. Pour component B into component A, and mix for 3 minutes to create a homogenize mix. In case of dilution with water this operation must happen after complete mixing of A & B components.

Substrates to be treated must be sound and clean and free from debris and dust, with a traction resistance to pull-off tests >1,5 MPa. In case of new substrates these should also be mechanically prepared by rough milling or shot-blasting machines.

When the product is correctly prepared as previously described it can be applied according to the desired finish.

a) PRIMER: Apply with roll, brush or airless (with consumption of 100 -150 g/m² of 1:1 diluted product with water. Over application time must be between 60 minutes and 16 hours according to environmental conditions. (Theoretical consumption of pure product is 50 - 75 g/m²).

b) ANTI -DUST PAINTING: Apply with roll, brush or airless (with consumption of 100 150 g/m² of 1:1 diluted product with water.

Theoretical consumption of pure product is 50 – 70 g/m².

After maximum 24 hours apply the second hand of product diluted 1:0,5 with water, with consumption of 200 – 300 g/m².

(Theoretical consumption of pure product is 135 – 150 g/m²).

c) BONDING OF NEW CONCRETE ON OLD CONCRETE: Apply with roll, brush or airless (with consumption of 200 – 300 g/m² of 1:0,2 diluted product with water.

Between 60 minutes and 3 hours apply the second hand of product diluted.

(Theoretical consumption of pure product is 165 – 250 g/m²)

d) STRENGTHENING ON MORTARS ON INCONSISTENT MASONRY:

Apply with roll, brush or airless the product diluted with 1:2 of water, according to the absorption capacity of surface.

NOTE:


Minimum over-coating interval is according to temperature and environmental humidity and only after the hardened layer looks perfectly transparent.

The maximum time interval for over-coating in case of anti-dust floor coatings is 24 hours. For bonding fresh concrete, it is 3 hours.

Pot life for the mixed product is 40 minutes once mixed. Wash all the tools with water after every use.

Technical data

Colour	Milky liquid
Specific weight UNI EN ISO 2811-1	1,05 ± 0,02 Kg/l
Mixing ratio	100 parts in weight e volume of base 100 parts in weight e volume of hardener
Viscosity 20°C UNI EN ISO 2555	7.000 ± 3.000 mPa.s (Vel.10 – Gir.3)
Pot life 22°C UNI EN ISO 9514	40 minutes
Solids UNI EN ISO 3251	48% in weight, 45% in volume
Thickness 100 g/m²	42 microns
Hardening 22°C, 50% U.R.	- dry at touch 8 hours - over application 1 hour min 16 hours max (3 hours for fresh concrete layer) - complete hardening 10 days
Permeability to carbon dioxide UNI EN 1062-6	R > 50 m for thickness of 0,15 mm
Water vapour permeability UNI EN ISO 7783-2	Class I Sd < 5 m
Water permeability and capillarity absorption UNI EN ISO 1062-3	< 0,1 kg/m ² x h ^{0.5}
Adhesion to concrete UNI EN 1542	> 3,5 MPa
Wear resistance UNI EN ISO 5470-1	Mole H22- 1000 g, 1000 turns < 100 mg
Adhesion to humid concrete EN 13578	No bubbling, no cracking, no flaking ≥ 4,0 N/mm ²
Storage	If kept in the original sealed packs in a dry, protected place at temperatures of +5°C to +35°C, the product will keep for 6 months. Avoid frost.

		
1305		
MPM Srl - Via Adda, 15- 20090 Opera (MI)		
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EN 13813 SR -B2,0	DoP 008	Product type 6802
SR - massetti a base di resina sintetica		
Reaction to fire	F _{FL}	
Release of corrosive substances	SR	
Adherence force for direct drive	B2,0	

All data and prescription reported on the present data sheet are based on the best lab and practical experience and should anyhow be considered as indicative. Considering all different uses and the occurring of situations and conditions independent from MPM (substrate, climate conditions, technical management etc. Those who intend to use the product should verify whether it is suitable for the specific conditions in which it will be applied before starting. MPM's responsibility covers only the quality and production standards referring to the above listed data only. Data should also be verified for latest available version of data sheets which could be surpassed by a new version. Data may change any time without notice from MPM.