Technical Data Sheet

Top Floor 600 SF

Product Description

Two component epoxy based surface preparation and protection primer. It has very high bonding strength to substrate and provides a durable base for paint and coatings. It has high mechanical and chemical resistance. Has excellent adhesion to well-prepared surfaces.

Product uses:

- Primer/sealer for concrete, Cement and wood surfaces.
- Primer for polyurea, epoxy and urethane coatings
- Primer and binder for concrete repair

Properties

- Excellent bonding strength to concrete surfaces.
- Low viscosity
- Penetrate into holes on the concrete and reduces pin-holes.
- Easy application; can be applied by brush, spray or roller
- Increases adhesion to concrete by up to 3 times
- Chemical resistant

TECHNICAL PROPERTIES	
Appearance/Color	Colorless
Density:	1.05 kg/liter
Volume solids %:	100 %
Theoretical spreading rate:	10 m^2/ltr / 10 m^2/kg (100 micron DFT)
Consumption:	0.100 – 0.150 ltr/ m^2 (100-150 g/m^2)
Recommended DFT: ***(Dry Film thickness)***	75 -100 micron
Flash point:	120 ° C. /248°F
Open time	2 hours (23°C and 50% R.H.)
Surface dry:	1 - 2 approx. hour(s) 23°C/73.4°F 50% R.H.
Light foot traffic	12-18 hours (23°C and 50% R.H.)
Full cure time:	7 days (23°C and 50 % R.H.)
Adhesion force (concrete):	2,5 N/mm^2
Application temperature:	+8 °C/46.4° F and +35 °C/ 95°F
Min. cure temperature:	+10°C/50°F

Application Details

Mixing Ratio:	Component A: 1 – Component B: 0.6 (By weight or by volume)
Application method:	Brush – Roll – Airless Spray – Metal Trowel - Squeegee
Pot Life:	2 hours
Thinner:	Do Not Thin The Product

Surface Preparation:

- Surface must be dry, clean and free of all contamination such as dirt, oil, grease, and coatings etc. which hinder adhesion.
- Surface must be firm and have enough strength. If in doubt, apply a test area before beginning.
- Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.
- All dust, loose and friable particles should be removed from the surface before application with brush and/or vacuum cleaner.
- Grinding by diamond disk should take over the place and all the dust must be removed by vacuum machine.
- All the cracks must be repaired by epoxy filler or epoxy mortar.
- A and B components should be thoroughly mixed for 3-4 minutes in order to achieve a homogenous mix using a low speed electric stirrer or other suitable equipment until a homogenous mixture has been achieved. After mixing, primer is ready for application.

PRECEDING COAT:

Nothing

Important Remarks:

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm² compression resistance and minimum 1, 5 N/mm² tensile strength.
- Applications below 10°C should be avoided.
- High temperatures lower the pot life of the product, while low temperatures extend cure time and consumption.
- Be careful about product mixing ratios.
- The surface should be protected from moisture and rain for 4-6 hours after application.
- All application tools and equipment should be cleaned with thinner immediately after the use. Cured material can only be removed mechanically.
- Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above. Apply only on a dry and clean surface with a Temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.
- The natural tendency of epoxy coatings to chalk in outdoor exposure.

Shelf life & Storage:

24 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Mixing:

Before mixing with the curing agent, stir the base thoroughly in order to prevent any possible settling after storage. After mixing it is equally important to maintain stirring to keep the wet paint as a Homogeneous mixture.

Legal Notice:

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