Technical Data Sheet

Top Floor PU 2020-SL

Product Description

It is a self-leveling, flame retarder, two component hard elastic, thick layer polyurethane coating with high impact and abrasion resistance to acidic and basic solutions. The product can be applied in a thickness of 2-3 mm. This product is 100% solids, aromatic polyurethane-based resin that provides a seamless, wearing suitable for the traffic of wheeled vehicles.

Product uses:

- Traffic areas as garages, car parks, or industrial floorings.
- Floorings of high decontamination and cleaning requirements in the chemical and food industries.
- Marin floors.

Properties

- Solvent Free
- Flame retarder
- High impact resistance
- Chemical resistance
- Self-leveling.

TECHNICAL PROPERTIES

Appearance/Color	High Glass / RAL Color Card
Density:	1.30 kg/liter
Volume solids %:	100 %
Theoretical spreading rate:	0.5 m^2/ltr / 0.38 m^2/kg (2000 micron DFT)
Recommended DFT:	1 - 2 mm per coat
(Dry Film thickness)	
Flash Point:	22° C. / 71.6 °F
Open time:	1.5 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 dry:	24 hours (23°C and 50 % R.H.)
Full cure time:	7 days (23°C and 50 % R.H.)
Application temperature:	+8 °C/46.4° F and +35 °C/ 95°F
Min. cure temperature:	+10°C/50°F

Application Details

Mixing Ratio:	Component 4 – Component B: 1 (By weight)
Application method:	Metal Trowel
Thinner:	Polyurethane Thinner
Thinner Amount:	Do not thin

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:

- **Top Floor 600-SF**
- **Top Floor TS 650-MT**

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 8-10 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.

Shelf life & Storage:

12 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.

Legal Notice:

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