SP FLOTOP 851

TECHNICAL DATA

The Ultimate Protective Solution

A three pack Solventless, Epoxy **self-leveling Floor topping** system.

INTEDED USES

For excellent protection against abrasion, chemicals with hygienic floor, easy to clean, hard wearing, good aesthetics this high performance Epoxy Floor-coating is practically recommended in Pharmaceutical plants Engineering industries, Chemical & Refinery industries, Cold storages, Food processing industries, Dairies, Bakeries, Bottling plants on new & old floors of concrete, wood & mild steel. It possesses excellent mechanical properties like very good hardness, flexibility, adhesion, abrasion resistance, impact resistance etc. in heavy traffic areas.

PHYSICAL PROPERTIES

Colour	: Clear or pigmented
Finish	: Smooth & Glossy
% Solids by Volume	: 100 ± 5 %
Mixing ratio (Base : Hardner : Aggregates)	: As supplied in kit
Consumption	: 1.5 kg per Sq Mtr @ 1 mm thickness
Maturation time	: Allow the mixed material for 2-3 minutes before use.
Recommended D.F.T.	: 1 mm
Drying time @ 30°C & at recommended D.F.T.	: a) Surface Dry : 4 hr. b) Hard dry : 24 hrs. c) Complete Cure: 7 days (for chemical testing)
Recommended Thinner	: T-1000 for equipment cleaning only
Pot Life	: 30-40 minutes @ 30^0C
Shelf life	: 12 months (Individual sealed components under normal storage condition)
Application method	: By Notch Trowel
Compatibility	: Compatible with Epoxy undercoats.

Mechanical Properites :

1) Compressive strength (ASTM C 579) : 60 MPa
2) Flexural strength (ASTM C 580): 22 MPa
3) Tensile strength (ASTM C 307) : 10 MPa

SURFACE PREPARATION :

The surface must be clean, dry & free form oil, grease, dust, moisture. Remove dirt, loose rust & other foreign material by using power tool sander to abrade the surface for adequate adhesion. New concrete surface must be 60 days old, free from curing compounds, sealers and have moisture content less than 5%. For old coated surface abrade the surface with power tool sander to roughen the surface for better adhesion. Wipeout the dust, dirt particles with thinner wetted clean cloth.

APPLICATION CONDITIONS :

This product should preferably be applied at temperatures in excess of 10^0 C. Substrate temperature should be at least 5^0C & above the dew point.

Application at ambient air temperatures below 5°c is not recommended. Do not apply when relative humidity rises above 90%. Do not apply during rain, fog or mist. Such conditions do not permit adhesion of coating with the substrate & delay in curing or loss of gloss.

POT LIFE OF MIXED MATERIAL :

At the time of mixing the material, if the temperature exceed of 35^0C the pot life will be approximately halved. Use of this product outside of the pot life may result in inferior adhesion properties even if the material appears fit for application. Thinning the mixed material is strictly not recommended.

SAFETY PRECAUTIONS :

While applying this product in closed structures, arrangements for adequate ventilation must be ensured. Smoking and naked lights should not be permitted. Mask should be worn when spraying. To avoid skin contamination use barrier cream or disposable gloves. Wash hands and face regularly with hot water and soap. Brushes & equipment should be cleaned with recommended thinner immediately after use.

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