



Top Floor ORP 6000

Product Description

It is a high viscosity, solvent free, two component, colored, orange peel textured, multi-purpose epoxy based coating.

Product uses:

It is used on durable floors in operating rooms, textile factories, food facilities laboratories, power plants, garages, laundries, warehouses, parking lots, repair, maintenance and washing units, walkways, bathrooms and where chemical and mechanical resistance is required.

Properties

- It gives an orange peel pattern to the floor.
- It has high chemical and mechanical resistance.
- It is resistant to impacts.
- Its color does not fade, does not crack, swell or shed.
- Easy to apply thanks to its high spreading power on the surface, saving time and labor.
- Gives medium degree of non-slip to the surface.
- The applied surface is easy to clean.

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Glossy / Available in RAL color card.
<i>Density:</i>	1.65 kg/liter (Mixed)
<i>Volume solids %:</i>	100 %
<i>Consumption:</i>	500-750 g/m ²
<i>Recommended DFT: (Dry Film thickness)</i>	700-800 micron
<i>Compressive Strength:</i>	28 days: > 60 N/mm ² (ASTM D695-10)
<i>Flexural Strength:</i>	7 days: > 30 N/mm ² (ASTM D790)
<i>Bond Strength:</i>	7 days : 50 mg (± %3) (CS 10/1000/1000) (ASTM D4060-14)
<i>Flash Point:</i>	120 ° C. /248 °F
<i>Open time:</i>	2 hours (23°C and 50% R.H.)
<i>VOC:</i>	10 g/ltr
<i>Surface dry:</i>	4-5 approx. hour(s) 23°C/73.4°F 50% R.H
<i>Light foot traffic</i>	12-14 hours (23°C and 50% R.H.)
<i>Full dry:</i>	24 hours (23°C and 50 % R.H.)
<i>Full cure time:</i>	7 days (23°C and 50 % R.H.)
<i>Application temperature:</i>	+8 °C/46.4° F and +35 °C/ 95°F
<i>Min. cure temperature:</i>	+10°C/50°F

Technical Data Sheet



Chemical Resistance:

Sulphuric Acid (H ₂ SO ₄) 30 %:	Excellent
Sodium Hydroxide (NaOH) 25%:	Excellent
Engine Oil :	Excellent
Lactic Acid (C ₃ H ₆ O ₃) 25%:	Good
Ammonia Solution 25%:	Good
Citric Acid (C ₆ H ₈ O ₇) 25%:	Good
Petrol:	Excellent
Sugar Solution 40%:	Good
Hydrochloric Acid (HCl) 30%:	Excellent

Application Details

<i>Mixing Ratio:</i>	Component A: 5 - Component B: 1 (By weight)
<i>Application method:</i>	Roller & Brush –
<i>Pot Life:</i>	2 hours
<i>Thinner:</i>	Do Not Thin The Product
<i>Thinner Amount:</i>	Do Not Thin the product

Surface Preparation:

Concrete should be minimum 28 days old to allow for curing. Prior to the application of any coating the maximum moisture content allowed is 4%. Concrete Substrates must be cured, sound, clean, dry and free from laitance, loose particles and contaminants such as oil, grease, curing compounds, shuttering oils, chemicals, etc. This is achieved by using the adequate combination of mechanical means such as abrasive blast cleaning, grinding, high-pressure water jetting (150 bars/ 2200 psi) and detergent cleaning. Unsound concrete, surface defects, blowholes, honeycombs, aggregate pop-offs, and the like should be repaired using “**Topox Filler SF-050**”

PRECEDING COAT:

- Top Floor 600-SF
- Top Floor FB 700

- 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 12-16 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:

The information presented herein is given in good faith but without warranty. It's based on our experience, indicates our laboratory work results and does not necessarily indicate final product performance. We cannot be held liable for the results obtained with our products and for any loss or accident that may result from its use. Our suggestions don't release you from the obligation to check their validity and to test our products for both your process and end use application. All our products are sold in accordance with our General Conditions of Sale. We don't make any warranty, express or implied, including but not limited to the merchant ability and fitness for a particular purpose.