



Top Floor FC 300-SF

Product Description

Top Floor FC 300-SF is a two component heavy duty floor coating that provides a high gloss, seamless, hygienic surface that is extremely hard wearing, durable, Antimicrobial Finish. The coating can also be applied to provide a nonslip texture by using silica sand on top of it. It is hard wearing epoxy floor coating offering excellent resistance to chemicals, solvents and oils. It is widely used on industrial and commercial floors in areas such as laboratories, showrooms and plant rooms. The product consists of a pigmented epoxy base and a curing agent binder, which have been specially formulated to provide a hard wearing coating with good abrasion resistance to both foot and vehicular traffic. The product provides good resistance to a wide range of chemicals but we recommend that any specific chemical resistance should be cleared with our Technical department before use. It's very low odor and ease of cleaning makes it particularly acceptable in food industry environments.

Product uses:

Top Floor FC 300-SF provides a hard wearing, chemical and abrasion resistant floor finish. It is ideally suited for use in wet areas where a high degree of resistance to chemicals, oils and grease is required such as :

- Dairies.
- Soft drinks production facilities.
- Chemical manufacturing plants.
- Car parks and workshops.
- Hospitals.
- Laboratories.

Properties

- Durable, low maintenance costs.
- Proven against a wide range of industrial chemicals.
- Solvent free - no odor during application.
- Liquid applied providing complete protection.
- Available in a wide range of colors to improve the working environment and identify slip hazard areas.

TECHNICAL PROPERTIES

Appearance/Color	High Gloss / Available in RAL color card.
Density:	1.52 kg/liter (Mixed)
Volume solids %:	100 %
Theoretical spreading rate:	5 m ² /ltr / 3.29 m ² /kg (200 micron DFT)
Consumption:	0.200 – 0.250 ltr/ m ² (300-350 g/m ²)
Recommended DFT: (Dry Film thickness)	200-250 micron
Flash Point:	120 ° C. /248 °F
Open time:	2 hours (23°C and 50% R.H.)
VOC:	10 g/ltr
Surface dry:	1-2 approx. hour(s) 23°C/73.4°F 50% R.H
Light foot traffic	12-14 hours (23°C and 50% R.H.)
Full dry:	24 hours (23°C and 50 % R.H.)

Technical Data Sheet



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

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

Mixing Ratio: Component A: 4 - Component B: 1 (By weight)
Component A: 3 – Component B: 1 (By Volume)
Application method: Roller & Brush – Airless Spray
Pot Life: 2 hours
Thinner: Do Not Thin The Product
Thinner Amount: 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.