



## Top Floor TS 500-SB

### Product Description

Is a two component Solvent based transparent epoxy coating for sealing and water proofing concrete, masonry and wood surfaces. It has excellent penetrating properties and is designed to be used as sealer coat or varnish for concrete surfaces. Can be used as primer or finish coat in a complete system in atmospheric environments.

### Product uses:

The product is designed to be used as durable floor coating for high traffic areas, and can be used as primer for concrete floors & Walls. Also can be use it on cement plaster as primer under epoxy or polyurethane coatings.

### Properties

- Chemical resistant coating
- excellent penetrating properties
- Easy to apply
- long working time

### TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Glossy / Transparent
<i>Density:</i>	0.96 kg/liter (Mixed)
<i>Volume solids %:</i>	33 %
<i>Theoretical spreading rate:</i>	6.6 m <sup>2</sup> /ltr (6.87 m <sup>2</sup> /kg) (50 micron DFT)
<i>Consumption:</i>	145-150 g/m <sup>2</sup>
<i>Recommended DFT: (Dry Film thickness)</i>	50 micron
<i>Flash Point:</i>	26 ° C. /78.8 °F
<i>Open time:</i>	8 hours (23°C and 50% R.H.)
<i>VOC:</i>	597 g/ltr
<i>Surface dry:</i>	2 approx. hour(s) 23°C/73.4°F 50% R.H
<i>Light foot traffic</i>	8-10 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

### Application Details

<i>Mixing Ratio:</i>	Component A: 3– Component B: 1 (By weight or by Volume)
<i>Application method:</i>	Brush , Roller – Airless Spray
<i>Pot Life:</i>	8 hours
<i>Thinner:</i>	Epoxy thinner
<i>Thinner Amount:</i>	For Roller application add 10 % For Airless spray add 5%



## **Surface Preparation:**

**NEW POURED CONCRETE:** should be allowed to cure fully (28 days @ 21° C) prior to application. If a curing membrane was used, it must be removed by sanding or etching with a strong detergent. If no curing membrane was used, the surface should be etched using environmentally-safe acid etch or by grinding.

**OLD CONCRETE:** application procedures are the same as for new concrete, except it is essential to thoroughly clean the surface. Use a grease-cutting detergent to remove grease and oils. All loose or unsound concrete should be removed by suitable mechanical means such as chipping, scarifying, shot blasting, sanding or grinding. Large holes / areas of damage should be filled with Epoxy filler.

**PREVIOUSLY COATED CONCRETE:** that is not to be taken back to the original substrate, should be carefully considered as the coating system will only ever be as strong as the weakest component in the system. An existing coating which is degraded in any way should be removed completely by suitable means. If the coating is intact, the surface should be cleaned thoroughly with a strong detergent and sanded lightly to create a profile. Any areas where the finish has worn down to the original concrete should be treated as bare concrete.

## **PRECEDING COAT:**

Nothing

## **Important Remarks:**

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm<sup>2</sup> compression resistance and minimum 1, 5 N/mm<sup>2</sup> 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.
- 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.



## ***Legal Notice:***

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