



## Top Floor FC 200-SB

### Product Description

A two pack semi-gloss abrasion and impact resistant finish for concrete, steel, non-ferrous metals and asbestos cement. In areas prone to slip risk, you can further improve the slip resistance by using anti-slip additive. It is a solvent-based Epoxy professional floor coating with high solids, epoxy coating designed for high traffic areas on concrete floors in mild to moderate environments.

### Product uses:

Recommended for use on floors where continual wetting and cleaning processes are being used. Also suitable for use on floors with heavy human and light vehicle traffic.

### Properties

- Chemical resistant coating
- Abrasion resistant.
- Water resistant.
- Solvent resistant.
- Easy and fast to apply.
- Good adhesion
- Available in wide range of colors.
- Anti-microbial growth.

### TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Semi-Gloss / RAL color card
<i>Density:</i>	1.38 kg/liter (Mixed)
<i>Volume solids %:</i>	54 %
<i>Theoretical spreading rate:</i>	5.4 m <sup>2</sup> /ltr (3.91 m <sup>2</sup> /kg) (100 micron DFT)
<i>Consumption:</i>	255- 300 g/m <sup>2</sup>
<i>Recommended DFT:</i> <i>(Dry Film thickness)</i>	200 micron in two coats
<i>Flash Point:</i>	22 ° C. /68 °F
<i>Open time:</i>	8 hours (23°C and 50% R.H.)
<i>VOC:</i>	485 g/ltr
<i>Surface dry:</i>	1 approx. hour(s) 23°C/73.4°F 50% R.H
<i>Light foot traffic</i>	10-12 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: 4– Component B: 1 (By weight ) Component A: 2.5– Component B: 1 (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:***

Allow new concrete to cure for a minimum of 28 days. Remove any oil spots, grease or spills and wash the floor with a suitable detergent or degreasing solution and rinse. The concrete must be free of curing agents or sealers. Etch the floor with **Concrete Etch**. Test for a sealer by lightly sprinkling water on the surface of the concrete. If the water droplets bead up rather than soak into the concrete, then there is some type of sealer present. The sealer will have to be removed by alternate method of surface preparation, such as sanding or grinding.

**PREVIOUSLY COATED FLOORS:** Make sure the floor is clean and dry. Use a wire brush to remove any loose or peeling paint or stain. If floor is sealed, the sealer will have to be removed by sanding or grinding. To ensure proper adhesion, scuff sand the entire surface.

**WARNING!** If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop.

## ***MIXING***

Premix both components (Parts A and B) thoroughly to ensure any settled pigment is re-dispersed. Pour the entire contents of Part B Base into a clean pail. Then pour the entire contents of Part A activator into the pail. It is critical to add all of Part A to Part B and mix for 2-5 minutes. Power mixing is preferred. Do not mix the color chips in with the coating. Allow the coating to stand for 30 minutes before using at temperatures of 55-70°F (13-21°C) or 20 minutes if the temperatures are between 71-80°F (22-27°C). Mix again just prior to application.

## ***APPLICATION***

All pilot lights or open flames in the area must be extinguished due to the flammability of the solvents in the coating. Pilot lights or open flames must remain extinguished for a minimum of 24 hours following application of the product. Apply only when air, material, and surface temperatures are between 55-90°F (13-32°C) and the surface temperature is at least 5°F (3°C) above the dew point. The relative humidity should not be greater than 85%. Pour a portion of the admixed material into a lined paint pan. Immediately begin to cut in the perimeter of the floor along the wall, or other areas where a roller cannot reach, using a brush or edger before beginning roller application. Use a synthetic 3/8" nap roller cover on a 9" roller frame to apply an even coat of product onto the surface. Limit the application to 1 m x 1 m sections at a time to make it easier to distribute the colored chips onto the freshly coated surface.

## ***PRECEDING COAT:***

Top Floor TS 500-SB



### ***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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