

## General Description:

EPOFLOOR SF is a solvent – free, two components, and high build epoxy coating system consisting of an epoxy resin and amine hardener that gives a glossy finish.

## Major Uses:

EPOFLOOR SF is specially formulated to give superior adhesion, abrasion resistant and excellent heavy-duty coating on concrete floors such as breweries, textile mills, distilleries and other food processing and manufacturing industries.

## Advantages:

- Solvent free – low odour.
- High chemical resistance.
- Hard wearing.
- Easy to clean – seamless.
- Flexible and waterproof.
- Available in wide range of colour.

## Characteristics and Physical Properties:

Appearance	Coloured liquid
Solid content	100%
Specific weight	1.20 kg/L
VOC	< 5 g/L
Pot life @ 25°C	30 mins
Cure time @ 25°C	24 hrs
Recoat interval @ 25°C	24 hrs
Full cure @ 25°C	7 days
Coverage	5 m <sup>2</sup> /L
DFT	200 μ

## Mechanical Properties:

Compressive Strength	70 N / mm <sup>2</sup>
Flexural Strength	34 N / mm <sup>2</sup>
Tensile Strength	20 N / mm <sup>2</sup>
Water Absorption	0.2%
Pot life @ 25°C	30 mins

## Chemical Resistance:

Hydrochloric Acid	Excellent
Nitric Acid,10%	Very Good
Acetic Acid, 5%	Excellent
Sulphuric Acid,20%	Very good
Phosphoric Acid, 20%	Good
Lactic Acid, 20%	Excellent
Sodium hydroxide,50%	Excellent
Petrol	Very good
Alcohol	Good
Ketones	Good
Skydrol	Good
Kerosene	Excellent
Ammonia	Excellent
Oil	Excellent

Note: All the above properties have been determined by Laboratory testing. Nevertheless, success in use will be determined by the implementation of the proper application

## Surface Preparation:

The long-term durability of the material will be based on the preparation between the substrate and the flooring system. It is important therefore that the substrate must be correctly prepared prior to the application of EPOFLOOR SF.

## Old Concrete:

Concrete should be dry, free from dust, oil, loose debris and other contaminants. Remove all existing coat (if any) by scraping, grinding or with paint remover. Apply one (1) coat of multi – etch solution and rinse with fresh water and let it dry for 24 hours to ensure an excellent penetration.

Any necessary repairs should be carried out using Epoxy Grout & Mortar or Epoxy Non-Shrink Putty.

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

## MAS PAINTS & CHEMICAL INDUSTRY

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### **New Concrete:**

New concrete should be cured for at least 28 days. Floors should be sound and free from contamination such as oils, grease and other foreign residues or laitance.

Apply one (1) coat of multi etch solution, rinse and let it dry. Remove all loose debris prior to the application of the flooring system.

### **Maintenance:**

Remove all traces of oil, grease and other contaminants with suitable degreaser and detergent. Remove all rust and loose materials by power tool cleaning or by wire brushing. Application of wash primer to damaged or rusted surface is recommended prior to the application of EPOFLOOR SF.

### **Priming:**

Apply 1 coat of Uniseal # 220SF as a sealer and conditioner. Primer should be tack – free prior to application of EPOFLOOR SF.

The primer should be left to achieve the tack free condition before applying the topcoat. A second coat of primer may be required if the substrate is extremely porous.

### **Mixing and Application:**

- Stir well each container particularly resin base using a flat paddle.
- Mix thoroughly 2 parts of Resin A to 1 part of Hardener by weight until homogenous. Do not add solvents or thinner.
- Mechanical mixing using power drill with low RPM is much preferred to ensure a homogenous solution.
- If smooth finish is desired, apply EPOFLOOR SF by roller at a minimum thickness of 200 microns per coat, coverage at this thickness will be approximately 5 m<sup>2</sup>/L

- Anti – slip finish can be obtained by sprinkling a silica aggregate 0.1 – 0.3-grain size in to the first coat. Ensure that any loose aggregate is removed prior to the application of the second coat.

### **Storage:**

At least 1 year in unopened cans. The product should be stored in cool and dry area. Keep container tightly closed.

### **Cleaning:**

All tools should be cleaned with Wash Thinner or Epoxy Thinner # 135 as soon as possible. Spillages should be absorbed with sand or sawdust and to be disposed in accordance with the local regulations.

### **Physiological Hazards:**

Keep Resin and Hardener away from eyes and skin contact. Good ventilation should be provided particularly in closed work areas. Keep uncured epoxy materials away from the mouth, food or drink, do not use empty tins to store food and do not empty cans into drains. Always wear gloves and safety materials when handling this product. Clean any splashes or smears from the skin immediately, using warm water and soap. Avoid inhaling vapour.

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