

General Description:

EPOFLOOR - S is a solvent based, two-component epoxy system containing an epoxy resin and polyamide hardener. The cured film forms a hard with excellent adhesion to concrete and it cures to a semi-gloss monolithic finish which is easily cleaned.

Major Uses:

EPOFLOOR - S is specially formulated to give excellent floor coating for concrete and ideal for application for commercial, industrial and chemical plants. It is highly recommended for airports, car parking areas, hangars, warehouses and showrooms.

Advantages:

- Chemical and abrasion resistant.
- Flexible and waterproof.
- Non – toxic when fully cured.
- Available in wide range of colours.

Characteristics and Physical Properties:

Colour	RAL / as required	
Specific weight (mix)	1.12 kg/L	
Mixing ratio	4 : 1	
Volume solids (mix)	46%	
Drying time	@ 20°C	@ 35°C
Pot life	4 hrs.	1.5 hrs.
Tack free	4-6 hrs.	2-4 hrs.
To recoat	6-24 hrs.	4-12 hrs.
Hard dry	24 hrs.	18 hrs.
Full cure	7 days	5 days
DFT (per coat)	50 microns	
Flash point	22°C	
Shelf life	12 months	
Coverage	9 m ² /L	

Chemical Resistance:

Hydrochloric Acid	Very good
Nitric Acid, 10%	Good
Acetic Acid, 5%	Good
Sulphuric Acid, 20%	Good
Phosphoric Acid, 20%	Good
Lactic Acid, 20%	Good
Sodium Hydroxide, 50%	Very good
Petrol	Very good
Alcohol	Very good
Ketone	Good

Surface Preparation:

New Concrete:

Allow new concrete to cure for 28 days, and surface should be sound and no strange particles prior to application. Ensure that the surface to be floored is properly etched and washed before the application of EPOFLOOR

Old Concrete:

Old concrete should be clean and in a good state of repair i.e., cracks, holes and other irregularities should be filled with epoxy grout and mortar or epoxy non – shrink putty.

Existing paint should be removed by grit blasting or by heavy-duty mechanical grinder. Paint stripper is not recommended because they leave a waxy residue, which is more difficult and will affect bond formation of EPOFLOOR –S. Oil and grease should be removed by steam cleaning in conjunction with a degreasing solution.

Priming:

Concrete floors should be primed with 1 coat of Uniseal # 110 as a concrete conditioner prior to the application of EPOFLOOR – S.

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

P.O. BOX NO: 23085, SAJJAH INDUSTRIAL AREA, SHARJAH, U.A.E

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Typical Recommended System:

SMOOTH	
Uniseal # 110P	1 coat
Epofloor - S	2 coats
ANTI SKID	
Uniseal # 110P	1 coat
Epofloor - S	1 coat
Aggregates	sprinkle
Epofloor - S	1-2 coats

Mixing and Application:

Mix component A and B at specified ratio ensuring they are complete homogenous. After thoroughly mix, allow the mixture to stand for 5 minutes. Apply either by brush or roller. Ensure that the area is completely coated uniformly and the overlapping should not be visible.

Anti – slip can be obtained by sprinkling fine grade of silica to a medium or coarser grain size depending on the required texture in the first coat. Remove all loose or excess aggregates by vacuum prior to the application of the final coat to completely seal and cover the surface.

A minimum film thickness of 50 microns per coat should be observed. This can be increased where specifications requires.

Epofloor- S should not be applied to a surface to a damp conditions or having a relative humidity higher than 85%.

Storage:

Keep base and hardener in a cool place below 35°C. Keep the container tightly closed. Shelf life of 12 months minimum.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or Epoxy Thinner # 135 as soon as possible.

Physiological Hazards:

Keep Base 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 vapor.

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