

Mahafloor[®] EP Prime- 743

Two component Epoxy Primer for Steel & Concrete Surface

Description

Mahafloor EP Prime- 743 is a two component solvated epoxy resin based primer suitable for priming concrete / steel surfaces prior to the application of Mahafix's range of epoxy resin based toppings like Mahafloor range of products. It is designed as moisture in sensitive primer and binder for numerous application needs.

Features / Advantages

- Excellent adhesion
- Easy to apply by brush/roller
- Can be applied even on damp surfaces.
- Good penetrating property
- Excellent bonding to wood, ceramic tiles, steel and concrete surfaces.
- Corrosion and abrasion resistance
- High resistance to aggressive chemicals

Typical application

- For priming on concrete surfaces and steel substrates.
- Priming on floors, walls, chemical storage tanks, effluent treatment tanks, lining of bulk chemical storage tanks etc.

Technical Analysis (TYPE I: Conforms TO IS 15477:2019)

Technical Information

Property	Results
Nature	Two component, moisture sensitive liquid
Color	Pale yellow to light brown
Mixing Ratio	65:35 by weight
Pot Life	> 45 minutes 30°C
Teck free Time	6 hours at 30°C
Initial Hardness	24 hours at 30°C
Temperature limitation	10°C to 40°C
Number of coats required	Two

Methods of Application

Surface Preparation

The surface has to be dry, sound & free from loose particles. This can be achieved by grit blasting or sand blasting or grinning and water jetting. The surface should not have moisture content of more than 5%. The surface should not contain any laitance, grease, oil or any other contamination. For leveling the substrate use MAHAFIX's Epoxy based "Mahafloor EP Screed-SL". When applying on steel surfaces there should be sand or grit blasted. Small areas can be cleaned with wire brush

Application

The pre-weighed ready to use components of Mahafloor EP Prime- 743 are mixed thoroughly with a mechanical stirrer with rpm of 300-350. The mixing should be done till we get a homogenous color of the mixed material. The material is brushed on the well prepared surface by a standard paint brush, good quality lamb wool roller or sprayed with an airless spray equipment. Care should be taken to ensure continuous film and proper material consumption.

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Packing

1 Kg & 5 Kg



Consumption

The coverage will be 5 to 8 m² per kg. It may vary depend on porosity of substrate.



Cleaning of Tools & Equipments

Tools and equipment should be cleaned with solvent immediately after use. Dried primer has to be scrapped off.



Storage and Shelf life

Store in a cool dry place under shed away from heat. Shelf life is One year in original unopened conditions.

Ecology, Health and Safety

Health & Safety instructions, all chemicals should not come in contact with skin and eyes or be swallowed. Protective gloves and goggles should be worn.

If contact with skin occurs, wash well with soap and water.

Eye contamination should be washed thoroughly with clean water and medical advice sought. If swallowed seek medical attention immediately. Do not induce vomiting.

Disclaimer

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.



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