

### Epoxy

## DESCOFLOOR Self Leveling Epoxy Floor System



### General Properties:

- DESCOFLOOR is a self-leveling, solvent free epoxy floor system, combined with selected filling materials.
- Three-component epoxy system (resin, hardener and filling material)
- Its hardener is modified cyclo-aliphatic.
- Capable of leveling any irregularities in the surface within the applied thickness.
- Gives a glossy anti-dust floor layer with thickness ranging from 2 mm – 8 mm.
- Can be supplied in different colors.

### Uses:

As a self-leveling flooring mortar for concrete exposed to mechanical wear traffic e.g. hospitals, factories, schools, stores, kitchens, laboratories, laundries and cooling rooms etc.

### Substrate:

#### Required Properties of concrete floor to accept epoxy layer:

- Reinforced concrete or screed with stress not less than 20 kg/cm<sup>2</sup>
- The substrate must be sound, free of any cement peel.

### Application:

#### Primer:

- Clean the substrate and remove oil, grease, foreign materials, and separated layers in the substrate.
- Wear gloves & eye goggles before application, good ventilation is required.
- Apply primer coat (**EPICOR 101P** or **EPICOR 201P** depending on the humidity of substrate).
- Add the Resin to the Hardener in a suitable container and mix well.
- Using a brush or woolen roller, paint the substrate with the suitable primer.
- Sprinkle silica sand (0.5 mm) over the applied primer before it sets (about 100 gm/m<sup>2</sup>) to create good mechanical bond.
- Clean tools using solvent ex.: Thinner.
- Leave to cure overnight.

#### DESCOFLOOR Body Coat:

- Add the filling material to the Resin and mix well. then leave till all air voids get out.
- Add the previously prepared mixture (resin + filling) to the Hardener in a suitable container and mix well. It is recommended to use a low speed mixing machine to ensure good mixing.
- Pour the mixture over the substrate and then by means of a spreader, start spreading the epoxy all over the substrate, according to the required thickness.
- Clean the tools using solvent e.g. Thinner.
- Leave to cure overnight.

### Technical Data:

Initial Curing Time	: After 24 hours of mixing.
Final Curing Time	: After 7 days at ambient temperature.
Pot Life	: 40 min at 25° C.
Compressive Strength	: 70 N / mm <sup>2</sup> .
Tensile Strength	: 20 N / mm <sup>2</sup> .
Consumption	: 1.5 kg covers 1 m <sup>2</sup> for 1 mm thickness.
Chemical Resistance	: Excellent resistance against water, alkalis, inorganic acids, poor against Ketones and glycol ethers. Nitric acid oxidizes colors.
Packaging	: 10 kg (resin + hardener + filling).
Shelf Life	: 12 months in closed container away from direct sunlight, heat and humidity.

### Environment:

- Boots, rubber gloves, dust masks, and safety goggles.
- Refer to MATERIAL SAFETY DATA SHEETS (MSDS)

END OF TECHNICAL DATA

**For more information please contact our technical department**

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