

Epoxy

## EPICHOR 3D

Clear epoxy for 3D floors



### General Properties:

- **EPICHOR 3D** is two-component transparent, solvent free, epoxy product that can be applied over a banner of 3D floors, it can also used as a thick clear coat for cement floor, barque, table top ...etc
- Its hardener is a mixture of modified cyclo - aliphatic polyamine & reactive polyamides.
- It gives a good clear surface free from holes or fish eyes .
- Has good abrasion & impact resistance.

### Uses:

- As a top coat for 3D floors
- As a finishing paint for wood
- As an anti dust & clear topcoat for dry concrete.
- As topcoats for epoxy flooring mortars.
- For laminating application.

### Application: (for 3D floors)

1. Clean the substrate and remove all foreign materials, oil and grease chemically or mechanically.
2. Remove any weak or separated cement layers in the substrate.
3. The substrate should be balanced before sticking the 3D banner on it
4. Wear gloves & eye goggles before working with epoxy & be sure of good ventilation.
5. Add the resin to the hardener in a suitable container and mix well.
6. Pour the mixed epichor 3D on the floor and using a trowel spread the epichor 3D to cover all the areas within a period that should not exceed 30 min. after mixing. Try to keep the thickness 2 mm at least And leave it for 24 hour at least .
7. Clean tools using solvent ex.: Thinner.

### Technical Data:

<b>Initial Curing Time</b>	: After 24 hours of mixing.
<b>Final Curing Time</b>	: After 7 days at ambient temperature.
<b>Pot Life</b>	: 30 min. at 24°C
<b>Bond Strength</b>	: 6 N/mm <sup>2</sup> to mild steel.
<b>Flexural Strength</b>	: 92 N/mm <sup>2</sup>
<b>Flexural Modulus</b>	: 2370 N/mm <sup>2</sup>
<b>Tensile Strength</b>	: 49 N/mm <sup>2</sup>
<b>Tensile Modulus</b>	: 2200 N/mm <sup>2</sup>
<b>Barcol Hardness</b>	: 81 (Model GYZJ 935)
<b>Consumption</b>	: 1 Kg covers 1/2 m <sup>2</sup> 2mm thickness,
<b>Chemical Resistance</b>	: Excellent resistance against water, alkalis, inorganic acids, good against dilute acid, poor against methylated spirits, ketones & glycol ethers. Nitric acid oxidizes the color.
<b>Packaging</b>	: 1kg, 5kg, (resin + hardener)
<b>Shelf Life</b>	: 18 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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