

Cipoxy 33

Food grade epoxy coating

Description

Cipoxy 33 is a food grade, two component, high solids epoxy coating, cured with a cyclo-aliphatic amine modified curing agent.

Uses

- As top coating on covings that matches with the colour of self levelling floorings

Key features

- Excellent adhesion
- Good abrasion resistance
- Excellent chemical resistance
- High gloss
- Excellent toughness
- Tested and approved as food grade by CFTRI

Properties

Type	: Epoxy-cycloaliphatic amine
Mixing ratio (R:H)	: 4 : 1 by volume
Finish	: High gloss
Colour	: Desired shade
Pot life @ 27°C ASTM D 2471	: ≥ 45 min
Volume solids ASTM D 2697	: ≥ 98 %
Recommended DFT ASTM D 7091	: 100 microns
Drying time ASTM D 1640	
Surface dry	: ≥ 1 hr
Tack free dry	: ≥ 8 hrs
Hard dry	: ≥ 24 hrs
Theoretical coverage	: 10 sq m / litre / coat @ 100 microns
Application	: By roller / brush / spray

Recommended thinner

Clean up	: PUT 502
Shelf life	: 12 months in the un-opened container

Performance data

Tensile strength ASTM D 638	: ≥ 10 MPa
Pull of adhesion test ASTM D 4541	: ≥ 2 MPa for M20 grade concrete
Abrasion resistance ASTM D 4060	: ≤ 80 mg loss

Chemical resistance

Excellent resistance is observed against distilled water, detergent solutions, alkalies and acids.

Chemical spillages should always be wiped up as quickly as possible and not be allowed to concentrate up by evaporation. The data on the list of the chemicals found resistant to this product during our lab study is available on request.

Directions to use

Ensure that the primer/ sealer coat is fully dried. Cipoxy 33 resin is pigmented, stir it well before mixing with hardener. Mix Cipoxy 33 resin and Cipoxy 33 hardener in 4:1 ratio by volume and agitate the mixture for 3-4 minutes. Apply by roller/brush/spray at a thickness of 100-150 microns and allow to cure for overnight.

Packaging

Cipoxy 33 is available in 5 and 20 litre packs and has a maximum shelf life of 12 months in the un-opened

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containers.

Storage and handling

The product should be stored in accordance with national regulations. It should be kept in a cool, well ventilated area, away from heat, direct sunlight, sparks and children. Handle with care. Mix resin and hardener as per the ratio. Use the mix solution within the pot life time.

Health and safety precautions

Please refer to MSDS. Observe reasonable care and employ ordinary hygienic principles such as washing the hands with soap and water before eating or smoking. It is recommended to wear gloves, goggles and nose masks while application. In case of splashes on the skin, dampen the cloth with thinner PUT 503 and wipe the hands with the cloth. Wash then with soap and water. Dried film is non toxic.

In case of contact with eyes, rinse with plenty of water and seek medical advice. In case of continuous exposure to vapours, the applicator should be immediately moved to get fresh air.

The disposal of excess or waste material should be carried out in accordance with the local legislations.

Disclaimer

All information contained in this data sheet is given to the best of our knowledge but no warranty is made with respect thereto. This data sheet becomes invalid as soon as a new edition has been published. Please contact us for latest edition. Description and advice regarding Cipy's products are based on long term field and laboratory tests carried out by us. No condition of warranty is given covering the results from the use of materials in the circumstances of any particular application, because the storage, handling and application of the materials are beyond our control.

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Cipy Polyurethanes Pvt Ltd

T-127, MIDC, Bhosari, Pune - 411 026

Tel. +91-20-66316400 / Fax : +91-20-66316460

Email : info@cipypolyurethane.com

