

# Cipoxy SL

## 2C epoxy based self levelling

### Description

Cipoxy SL is a self levelling, solvent-free, two component epoxy based pigmented floor topping recommended for the concrete floors of varied industries ranging from pharma and food industries to automobiles. The two components, pigmented resin and clear hardener, are mixed in 2:1 volumetric ratio and laid as high glossy, self levelling flooring of thickness ranging from 500 microns to 1000 microns. Cipoxy SL is for higher thickness (>800 microns), while SLC is for lower thickness (>500 microns) applications.

### Uses

Cipoxy SL is used as high gloss top coat with minimal filler content and is recommended in hospitals, pharma, food, breweries, and process industries.

### Key features

- Resin rich system : No filler externally added while applying
- Excellent adhesion
- Excellent self levelling properties
- High abrasion resistance
- Excellent gloss
- Excellent toughness

### Properties

Type	: Epoxy-cycloaliphatic amine
Mixing ratio (R:H)	: 2 : 1 by volume
Finish	: High gloss
Colour	: Desired shade
Pot life @ 27°C	
ASTM D 2471	: 30 – 35 min
Solids content by weight	
ASTM D 2369	: 100%
Recommended WFT	
ASTM D 4414	: 1000 microns
Recommended DFT	
ASTM D 1186	: 1000 microns
Drying time	
ASTM D 1640	
Surface dry	: 1 – 2 hrs
Tack free dry	: 7 – 8 hrs
Hard dry	: 24 hrs

Theoretical coverage	: 1 sq m / litre / coat @ 1000 microns
Application	: By leveller and spike roller
Recommended thinner	
Clean up	: PUT 502
Shelf life	: 12 months in the un-opened container

### Performance data

Compressive strength	
ASTM D 695	: 65 – 68 MPa
Tensile strength	
ASTM D 638	: 8-10 MPa
Abrasion resistance	
ASTM D 4060	: 55 - 65 mg loss
Flexural strength	
ASTM D 790	: 20 – 25 MPa

### 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

Self levelling composition like Cipoxy SL should be strictly applied on zero levelled surfaces. Ensure that the screed / sealer coat is fully dried and there are no porosities.

If there are visible porosities, apply a gel coat of Cipogel. Cipoxy SL resin is pigmented. Stir it well before mixing with hardener. Mix Cipoxy SL resin and Cipoxy SL hardener in 2:1 ratio by volume. Agitate the mixture for 5-7 minutes. Apply by leveller at a thickness of 1000 microns and then de-aerate the layer by using spike rollers to dislodge the air bubbles. Allow to cure overnight. Allow the traffic after 48 hours.

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### Packaging

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