

# Cipothane SL

## EPU based self levelling flooring

### Description

Cipothane SL represents the success of Cipy's time tested EPU hybrid chemistry where urethane linkages are infused into the epoxy matrix to impart better physical and mechanical properties such as wear resistance and moderate flexibility to the cured film. Cipothane SL is a self levelling, two component floor topping, preferred over the conventional floor toppings because of its remarkable properties over epoxies. It is the industry's work-horse floor topping, recommended for varied industries such as automobiles, pharma, auto ancillary units, light engg and heavy engg industries. It has excellent abrasion resistance and is flexible enough to withstand impact loads while remaining sufficiently strong to withstand industrial traffic. Cipothane SL is a resin-rich flooring system where the polymer content is over 80%, unlike conventional filler-rich epoxy floorings. All ingredients of Cipothane SL are factory premixed and no filler or aggregate is added while application, unlike epoxies.

### Uses

- Cipothane SL is used as top coat in conjunction with Cipoxy / Cipothane range of floor toppings. It is recommended in automobile, pharma, food, breweries, light and heavy engineering industries.

### Key features

- No external addition of fillers while applying
- Excellent self levelling properties
- High abrasion resistance
- Excellent gloss
- Moderate flexibility
- Available in SL and SLC versions

### Properties

Type	: EPU (epoxy-urethane)
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 DFT ASTM D 1186	: 1000 microns
Drying time ASTM D 1640	
Surface dry	: 1 - 2 hrs
Tack free dry	: 6 - 7 hrs
Hard dry	: 24 hrs
Theoretical coverage	: 1 sq m / litre / coat @ 1000 microns
Application	: 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	: 60 – 70 MPa
Tensile strength ASTM D 638	: 17 – 20 MPa
Elongation ASTM D 638	: 45 – 50 %
Abrasion resistance ASTM D 4060	: 30 – 40 mg loss
Flexural strength ASTM D 790	: 40 – 45 MPa

### Chemical resistance

Excellent resistance is observed against distilled water, detergent solutions, alkalis 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 sealer coat / screed is fully dried. Grind the surface with grinder. Cipothane SL resin is pigmented. Stir it well before mixing with hardener. Mix Cipothane SL resin and Cipothane SL hardener in 2 : 1 ratio by volume. Agitate the mixture for 3-4 minutes.

# Cipothane SL

## EPU based self levelling flooring

---

Apply by leveller at a thickness of 800 - 1000 microns. De-aerate the mix by using spike roller and allow to cure over night.

### Packaging

Cipothane SL is available in 5 and 20 litre packs and has a maximum shelf life of 12 months in the unopened 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.

Ref.: CPPL/05-19/0220



### Cipy Polyurethanes Pvt Ltd

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

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

Email : [info@cipyurethane.com](mailto:info@cipyurethane.com)

