

# Floorkote SL 1000

## Polyurethane self levelling flooring

### Description

Floorkote SL 1000 is a three component PU flooring system preferred over the conventional epoxy floorings, because of its superior physical and mechanical properties. Floorkote SL 1000 is a solvent free, flexible urethane self levelling system designed to provide an extremely abrasion resistant and resilient floor topping. Floorkote SL 1000 is generally applied at a thickness of 1mm.

### Uses

- Automobile industries
- Light and heavy engineering units
- Hangars
- Chemical and fertilizer plants
- Car park decks

### Limitations

Floorkote SL 1000 is not recommended for application in rainy or high humid conditions

### Key features

- Solvent free : no toxic fumes
- Fast setting
- High abrasion resistance
- High impact and chemical resistance
- Flexible to cover concrete cracks
- More durable than epoxies

### Properties

Type	: Aromatic polyurethane
Mixing ratio	: Pre-weighed packs
Finish	: Glossy
Colour	: Desired shade
Potlife @ 27°C	
ASTM D 2471	: ≥ 25 min
Solid content by weight	
ASTM D 2369	: ≥ 98%
Recommended DFT	
ASTM D 7091	: 1000 microns
Drying time	
ASTM D 1640	
Surface dry	: ≥ 2 hrs
Tack free dry	: ≥ 5 hrs
Hard dry	: ≥ 24 hrs

Flash point	
ASTM D 3278	: Above 100°C
Application	: Notched trowel / spike roller
Recommended thinner	
Clean up	: PUT 502
Theoretical coverage	: 1 set covers 5 sqmt @ 1mm and 2.5 sqmt @ 2mm
Shelf life	: 6 months in the unopened container

### Performance data

Hardness Shore D	
ASTM D 2240	: ≥ 60
Tensile strength	
ASTM D 638	: ≥ 5 MPa
Elongation	
ASTM D 638	: ≥ 5%
Abrasion resistance	
ASTM D 4060	: ≤ 90 mg loss
Bonding strength	: ≥ 2 MPa for M 20 grade concrete or concrete failure

### 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

### Direction to use

Ensure that CDS (Clean, Dry and Sound) test is conducted on the concrete. Surface preparation like scarification, grinding or shot blasting is done to achieve a surface profile of 150-200 microns.

Apply Floorprime M as primer and allow to cure for 1 hour. Using a stirrer with helical mixing paddle in an electric drill, the components are stirred thoroughly. Care is taken to ensure that the air is not being driven into the system. Floorkote SL 1000 contains four components : resin, hardener, aggregates and epi.

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Unpack all the contents and mix well under mechanised stirrer for 3-4 minutes. Floorkote SL 1000 is applied by notched trowel to the specified thickness and de-aerate using spike rollers. Allow to cure for 6 hours, and ensure that the coated area is protected from air borne contaminants for a minimum 6 hours and foot or vehicular trafficking for a minimum 24 hours.

### Packaging

Floorkote SL 1000 is available in pre-weighed packs and has a maximum shelf life of 6 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. Mix resin and hardener as per ratio. Use the mix solution within the pot life time

### Health & Safety

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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### Cipy Polyurethanes Pvt Ltd

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

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

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

