

# Floortop 1000-AM

4C, self smoothing epoxy self levelling anti microbial flooring

## Description

Along with Cipoxy SL1000, Cipy now offers a new cost-effective version of four component self levelling system, Floortop 1000-AM. It is based on a pure liquid epoxy resin cured with a typical grade of cyclo aliphatic amine and is supplied in pre weighed packs, ready to mix and use. The kit consists of resin, hardener, colour concentrate and formulated aggregates, to yield 10 sq meter area @ 1mm..

## Uses

Floortop 1000-AM is recommended for floor toppings in industries like food, pharma, health care, automotive, light engineering and breweries.

## Key features

- Excellent adhesion
- Excellent self levelling properties
- Good chemical resistance
- Good abrasion resistance
- Cost effective
- Contains Antimicrobial additive

## Properties

Type	: Epoxy-cycloaliphatic amine
Mixing ratio	: Pre-weighed packs with resin, hardener, aggregates and colour concentrate
Finish	: Smooth glossy
Colour	: Desired shade
Pot life @ 27°C ASTM D 2471	: ≥ 40 min
Recommended WFT ASTM D 4414 Floortop 1000-AM	: 1000 microns

Recommended DFT ASTM D 7091 Floortop 1000-AM	: 1000 microns
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Drying time ASTM D 1640 Surface dry Tack free dry Hard dry	: ≥ 2 hrs : ≥ 8 hrs : ≥ 24 hrs
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Application	: Leveller and spike roller
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Recommended thinner Clean up Shelf life	: PUT 502 : 12 months in the un-opened container
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## Performance data

Compressive strength ASTM D 695	: ≥ 40 MPa
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Tensile strength ASTM D 638	: ≥ 7 MPa
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Flexural strength ASTM D 790	: ≥ 10 MPa
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Abrasion resistance ASTM D 4060	: ≤ 75 mg loss
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Shore D ASTM D 2240	: ≥ 75
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Pull off adhesion test ASTM D 4541	: ≥ 2 MPa for M20 grade concrete / Concrete failure
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## 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.

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### Directions to use

After proper surface preparation, apply Cipoxy 11/15/16 as prime coat. Ensure that the surface is free from all porosities. Allow to cure for 5-6 hours. Mix Floortop 1000-AM resin and hardener in the pre weighed ratio. Add EPI colour (colour concentrate) and formulated aggregates. Agitate the mixture by an electrically driven motor. Lay the mixture to the desired thickness. De-aerate by using spike rollers. Allow to cure for a minimum 48 hours before the trafficking is commenced.

### Packaging

Floortop 1000-AM is available in pre-weighed kits 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.

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