

Floortop 2000

4C, self smoothing epoxy self levelling flooring

Description

Floortop 2000 is 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 6 sq meter area @ 2mm.

Uses

Floortop 2000 is recommended for floor toppings in industries like food, pharma, health care, automotive, light engineering and breweries. Floortop 2000 is meant for 2mm thick coatings.

Key features

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

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	: 2000 microns
Recommended DFT ASTM D 7091	: 2000 microns

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

Performance data

Compressive strength	: ≥ 40 MPa
Tensile strength ASTM D 638	: ≥ 7 MPa
Flexural strength ASTM D 790	: ≥ 10 MPa
Abrasion resistance ASTM D 4060	: ≤ 75 mg loss
Shore D ASTM D 2240	: ≥ 75
Pull off adhesion test ASTM D 4541	: ≥ 2 MPa for M20 grade concrete / Concrete failure
Slip Resistance (Dry) as per BS 8204	: 110 STV

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 2000 resin and hardener in the pre weighed ratio. Add EPI colour (colour concentrate) and formulated aggregates. Agitate the mixture by an electrically driven motor for 3-4 minutes. Lay the mixture to the desired thickness, de-aerate using spike rollers and allow to cure for a minimum 48 hours before the trafficking is commenced.

Packaging

Floortop 2000 is available in pre-weighed kits 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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