

Cipoxy 61

Solvent-free epoxy coving screed

Description

Cipoxy 61 is a cost effective grade of solvent free, two component epoxy system recommended for formulating coving screeds. Cipoxy 61 is not recommended to use as screeds for concrete floors.

Uses

Cipoxy 61 is used as screed for horizontal and vertical coverings in pharma and food processing industries.

Key features

- Excellent adhesion to concrete and other cementitious substrates
- Excellent bond to epoxy and PU top coats

Properties

Type	: Epoxy-polyamine
Mixing ratio (R:H)	: 2:1 by weight
Colour	: Dark yellow
Pot life @ 27°C ASTM D 2471	: 25 – 30 min
Solids content by weight ASTM D 2369	: 100%
Drying time ASTM D 1640	
Surface dry	: 3 – 4 hrs
Tack free dry	: 8 hrs
Hard dry	: 24 hrs
Application	: By trowel
Recommended thinner Clean up	: PUT 502
Shelf life	: 12 months in the un-opened container

Performance data

Compressive strength ASTM D 695	: 40 MPa
Tensile strength ASTM D 638	: 8 MPa
Flexural strength ASTM D 790	: 12 MPa

Adhesion, pull off test

ASTM D 4541

Concrete

: Concrete failure for
M20 grade concrete

Directions to use

Before primer application, CDS (Clean, Dry and Sound) test is conducted on the concrete. Moisture test is conducted by moisture meter or plastic sheet method (ASTM D 4263 : Standard test method for indicating moisture in concrete). The residual moisture should not be more than 5%. Surface preparation like scarification, grinding or shot blasting is done to achieve a surface profile of 150-200 microns.

All cracks, pot holes and patches are filled up by repair mortars such as Cipicrete, Floorkrete or Cipogel.

Mix Cipoxy 61 resin and Cipoxy 61 hardener in 2:1 ratio by weight (100:50). Mix formulated aggregates like FQ 1000 or similar in recommended ratio as per the screed thickness. Agitate the mixture for 3-4 minutes. Apply by trowel. Allow to cure for 7-8 hours. The screed / covered surface is now ready to take up sealer coat.

Packaging

Cipoxy 61 is available in 10 and 20 kg 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

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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.

Incase of contact with eyes, rinse with plenty of water and seek medical advice. Incase of continuous exposure to vapours, 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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