

Cipoxy FP

Solvent-free, viscous primer for car parks

Description

A solvent-free, viscous, epoxy primer, Cipoxy FP is specifically recommended for concrete and masonry substrates. It is fast curing and can be used on slightly damp surfaces. Cipoxy FP is applied as primer in order to impart a pore-free surface. Cipoxy FP is typically recommended as primer / base coat for DeckFloor systems.

Uses

- Cipoxy FP is used as primer / base coat in conjunction with epoxy, epu and PU car park flooring systems. It is also recommended as sealing coat over Cipozem range of underlays, before the polymeric overlays are laid

Key features

- Excellent bond strength
- Non blushing in humid environments
- Excellent bond to epoxy and PU top coats
- Can be applied on slightly damp surface

Properties

Type	: Epoxy-polyamine
Mixing ratio (R:H)	: 1 : 1 by volume
Finish	: Clear glossy
Appearance	: Transparent
Pot life @ 27°C ASTM D 2471	: ≥ 45 min
Solids content by wt ASTM D 2369	: ≥ 98%
Recommended DFT ASTM D 7091	: 200 microns
Drying time ASTM D 1640	
Surface dry	: ≥ 3 hrs
Tack free dry	: ≥ 8 hrs
Hard dry	: ≥ 24 hrs
Theoretical coverage	: 5 sq m / litre / coat @ 200 microns
Application	: By brush / roller
Recommended thinner Clean up	: PUT 502

Shelf life	: 12 months in the unopened container
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Performance data

Compressive strength ASTM D 695	: ≥ 50 MPa
Tensile strength ASTM D 638	: ≥ 20 MPa
Flexural strength ASMT D 790	: ≥ 8 MPa
Pull off adhesion test ASTM D 4541	: ≥ 2 MPa for M20 grade concrete or Concrete failure

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.

Mix Cipoxy FP resin and Cipoxy FP hardener in equal proportions. Agitate the mixture for 3 to 4 minutes. Apply by roller / brush, allow to cure for 5-6 hours. The primed surface is now ready to receive screed coat / sealer coat / top coat.

Packaging

Cipoxy FP is available in 5 and 20 litre 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.

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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

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