Cipoxy 62

Solvent-free epoxy coving screed

TYPE 6 EFNARC GUIDELINE

SCREED FLOORING

Description

Cipoxy 62 is a solvent free, two component polyamine system recommended for formulating coving screeds.

Cipoxy 62 is not recommended to use as screeds for concrete floors.

Uses

Cipoxy 62 is used as screed for horizontal and vertical covings in Pharma and Food processing industries.

Key features

- Excellent adhesion to concrete and other cementitious underlays
- Excellent bond to epoxy and PU top coats
- It is easy to apply & finish

Certified

Properties

Type	:	Epoxy-polyamide
Mixing ratio Resin : Hardener	:	2 : 1 by weight
Apperance (Primer) (Screed)	: :	Brown Brownish yellow
Pot life @ 27ºC (screed) ASTM D 2471	:	≥ 60 min
Solid contents by weight ASTM D 2369	:	≥ 93%
Drying time @ 25ºC (screed) ASTM D 1640 Surface dry Tack free dry Hard dry	: : :	≥ 3 hrs ≥ 8 hrs ≥ 24 hrs
Application	:	By brush / roller : primer By trowel & cove levellor : screed
Overcoat interval Over primer application Over screed application	: :	Maximum 24 hours Maximum 7 days
Recommended thinner Clean up	:	PUT 502
Shelf life	:	12 months in the unopened container

Performance data

The mandatory performance parameters as per FeRFA and EFNARC guidelines for resin Flooring systems

Primer & Screed

Pull off adhesion ASTM D 4541	:	≥ 2 MPa for M20 grade concrete or Concrete failure

Other mechanical properties : Screed

Elongation ASTM D 638	:	0.3%
Flexural strength ASTM D 790	:	1.1 MPa
Density of the mixed screed Liquid 1 part with 10 parts of aggregates	:	1.65

Note : The typical physical properties given above are derived from testing in a controlled laboratory environment. Results derived from testing field-applied samples may vary, dependent on actual site conditions

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APPLICATION INSTRUCTIONS

Surface preparation

The long-term durability of the applied Cipoxy 62 coating is dependent upon the adhesive bond achieved between the flooring material and substrate. It is most important therefore, that substrate surfaces are correctly prepared prior to application. Ensure that the residual moisture level in the concrete is below 5%. All substrates should be sound and free from contamination such as mortar and paint splashes, curing compound residue, oil, or grease. Excessive laitance should be removed by light mechanical scrabbling, grinding or grit blasting. Oil and grease contamination must be completely removed by grinding down to sound, clean concrete. Alternatively, blasting techniques can be used to provide the required substrate.

Mixing and Application

Primer

Prepared substrates should be primed with Cipoxy 62/17/18. The primer should be mixed in the proportions supplied by adding the entire contents of hardener can to the base can. Once mixed the Cipoxy 62/ 17/18 should be immediately applied in a thin, continuous film using stiff brushes or rollers. Over application and puddles should be avoided. Porous floors may require two coats of Cipoxy 62/17/18 primer. Cipoxy 62/17/18 primer should be allowed to become tack free prior to application. Primer coverage will depend on the texture and porosity of the substrate and also the application thickness. Overcoating window time should not exceed 24 hours. Incase overcoating window exceeds 24 hours, recoating of primer is necessary.

Screed

Mix resin and hardener of Cipoxy 62 in the recommended ratio and add on the aggregates as per the prescribed ratio. Solvent or thinners should not be added. A forced action mixer with a paddle fitted into a heavy duty, slow speed electric hand drill is recommended for mixing. The material is poured onto the primed substrate and spread to the required thickness with a trowel or screed box to form a levelled surface. In case over coating window exceeds 48 hours, light mechanical abrading to be done on the screed surface before overlaying with subsequent topping. If the over coating window on top of screed exceeds 7 days, light abrading the screed surface and priming is essential.

Limitations

It is not compatible for application over asphalt, unmodified sand-cement screed or PVC tiles and sheets. Cipoxy 62 coated floor will be scratched due to nails or sharp objects protruding from machinery, packings, or trolleys moving on the floor. Presence of sand will also cause abrasion. The product is not advices to be applied below 15ºC as the flow reduces. While applying the product above 35ºC, there can be a problem of low pot life etc., and it will be difficult to apply the material. Cured product is not suitable for exposure to sub-zero temperatures and above 65ºC.

Packaging & Coverage

Cipoxy 62 - Primer	:	Resin and Hardener available in 20 litre packing each	:	0.10 kg / r.mt for 50 x 50 mm cove
Cipoxy 62 - Screed	:	Resin and Hardener available in 20 litre packing each Aggregate available in 50 /25 kg packing	:	0.25 kg + 2.5 kgs of FQ / r.mt for 50 x 50mm cove

Cipoxy 62

Solvent-free epoxy primer and self-levelling screed

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. Ideal temperature for storage of the material is 25°C to 30°C, in a covered shed.

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. It is recommended to wear gloves, goggles and nose masks while application. Incase 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.

Incase of contact with eyes, rinse with plenty of water and seek medical advice. Incase 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.

Cipoxy 62 is non-flammable. Flash point is above 100°C.

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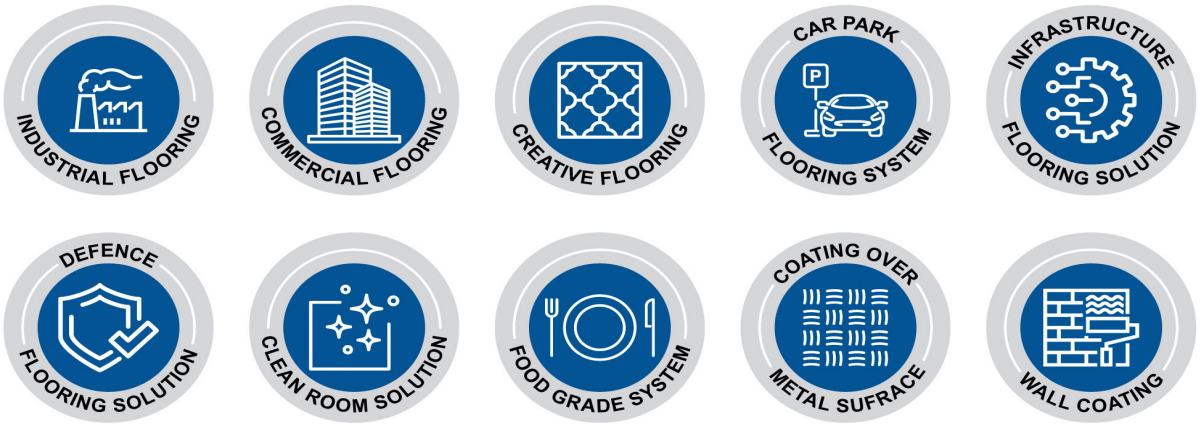

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