

Cipoxy FC 250

Cipoxy FC 250 is a solventfree, two component epoxy based pigmented top coat, cured with a modified polyamine adduct, recommended for roll-on deck coatings, in conjunction with the broadcast of selected quartz sand.

Properties:

- Excellent adhesion to concrete and masonry substrates.
- Good chemical resistance
- High penetrating properties and hence no need of primer.
- Excellent bond to epoxy or PU top coats.
- Good overall wear resistance

Application areas:

- Cipoxy FC 250 is used as a top coat for floors, subject to vehicular trafficking. Cipoxy FC 250 is used as an antiskid flooring for car parks in which hard wearing quartz sand is broadcast between the two layers.

Direction to use:

- Ensure that the concrete is cured for a minimum 28 days and the residual moisture is within the desirable limits. CDS (Clean, Dry and Sound) tests are to be carried out before the primer is applied.
- Check the residual moisture by a moisture hygrometer and it should not be more than 5 %.
- Surface preparation methods like shot blasting, scarification or floor diamond grinding are carried out to attain a surface of profile of 150-200 microns.
- Apply primer Cipoxy 15 or Aquoxy 50.
- Broadcast selected quartz sand (FQ Sand 40 or 60) evenly on the primed surface at a spreading rate of 1-2 kg / sqm.
- For MDE and HDE systems, Floorflex as a membrane is applied at a spreading rate of 400-1000 microns and allowed to cure for 6 hours.
- FC 100 resin is pigmented. Stir it well before mixing. Mix FC 250 resin and FC 250 hardener in 1:1 ratio by volume. Agitate the mixture for 2-3 minutes. Apply by roller / brush. Allow to cure for 3-4 hours. Apply second coat to impregnate the sand particles. Allow to cure. Allow trafficking after 24 hours of curing.

Typical physical properties:

Type	Epoxy-modified polyamine adduct
Mixing ratio(R:H)	1:1 by volume
Colour	Grey
Finish	Glossy
Flash point	Above 100° C
Pot life	1 - 2 hours @ 30° C
Surface dry	3-4 hours
Tack free dry	8 hours
Hard dry	24 hours
Theoretical Coverage	3 - 4 sqm per litre @ 200 microns
Application method	Roller
Clean up	PUT 502
Shelf life	12 months in the unopened container.