

Cipocem 3000

Moisture continues to create application and performance difficulties for concrete floor coatings and wall coatings. With concrete surfaces, what is occurring below is very important. Substrate moisture is the cause for a large percentage of the coating failures on concrete.

Blister formation is a common mode of failure for conventional solvent free epoxy or PU coatings. This problem is caused by a build up of osmotic pressure within the concrete substrate.

When moisture in the concrete migrates the surface or tries to escape after the coating is applied, it will cause bubbling. This is a form of what is called outgassing and occurs as the concrete is warming. After the coating has cured, the trapped moisture causes coating disbondment. This vapour drive force, known as osmotic pressure, is very strong and can exceed the adhesion strength of the coating and the tensile strength of the concrete.

Cipocem 3000 is water soluble epoxy resin enriched cementitious self levelling screed for floor levelling applications. It can be applied on damp, green concrete. **Cipocem 3000** is used as under layer, over which regular SL/SF system is applied.

Features:

- Permeable.
- Higher compressive strength than concrete.
- Solventless.
- Cost effective.
- Adhesion on damp surface.
- 3mm. and above

Directions to use:

After proper surface preparation, pre wet the surface. Apply Cipoxy AQ or Aquoxy 50 as primer and allow to dry. Unpack the resin content and pour into the mixing bowl. Unpack the hardener contents and pour half the contents into the bowl. Stir for 5 minutes. Pour the other half of the hardener and stir for 5 minutes. Take 2 ltr. of water and add a little quantity of water into the bowl and stir vigorously. Add the entire quantity of water in small quantities under stirring. Unpack the aggregates and add slowly into the mixing pot under stirring. Stir mechanically for 2-3 minutes. Lay the screed. Deaerate the mixture by spike roller. Allow to cure for 48 hours. Check the residual moisture and if it is found within the desirable limits, apply a sealer of Cipoxy 16, over which the top coats are given.

Coverage:

1 set of Cipocem 3000 (1.5 kg. resin + 1.5 kg. hardener + 24 kg. aggregates) + 3.75 lts. of water will cover an area of 5 sq.mt. @ 3mm. thickness.