

# Floorcem

Floor toppings

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.

**Floorcem is a water soluble PUD enriched cementitious self levelling screed** for floor levelling applications. It can be applied on damp, green concrete. **Floorcem** is used as underlays, over which regular SL/SF overlays are applied.

## Features:

- Permeable.
- Solventless.
- Cost effective.
- Adhesion on damp surface.
- 2mm. and above

## Directions to use:

After proper surface preparation, pre wet the surface. Unpack the resin packs and pour into the mixing bowl. Add 1 lt. of water and mix properly. Apply a thin coat of this solution as prime coat. Allow to cure for 30 minutes. 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 coat of Cipoxy 14 as sealer coat. Apply top coats of epoxy, EPU or PU.

## Coverage:

1 set of Floorcem (2 lts. resin + 13 kg. aggregates) + 1 lt of water will cover an area of 4 sq.mt. @ 2mm. thickness.