

Aquoxy 50

Floor toppings

Aquoxy 50 is a **waterborne, permeable two-component epoxy based primer** recommended for concrete & masonry substrates. It has excellent adhesion to concrete and other cementitious substrates. It can be top coated with epoxy / PU coatings.

Properties:

- Breathable.
- Water thinnable.
- Food grade and no odour
- Can be applied on damp surfaces.

Application areas:

- Pharma & food processing floors.
- Clean room floors & walls.
- Seeping walls & floors.
- Areas where water table is high and where the floors and walls are suspected of residual moisture.
- Walls & floors of closed rooms.

Direction to use:

- Before primer application, CDS (Clean, Dry & Sound) test is conducted on the concrete.
- Moisture test is conducted by moisture meter or plastic sheet method (ASTM D4263: Standard test method for indicating moisture in concrete). The residual moisture should not be more than 4-5%
- Surface preparation like scarification, grinding or shot blasting is done to achieve a surface profile of 150-200 microns.
- Mix 2.5 parts of resin by volume with 1 part of hardener by volume. Stir well to get a whitish solution. Apply by roller / brush and allow to dry. The surface now ready to receive screed / topcoat.

Typical physical properties:

Type	Waterborne epoxy-polyamine
Mixing ratio(R:H)	2.5 : 1 by volume
Volume solids	50 - 52%
Colour	Clear pale yellow
Finish	Smooth glossy
Flash point	Above 100 ^o C
Pot life	60-90 minutes at 30 ^o C
Surface dry	1 - 2 hours
Tack free dry	7 - 8 hours
Hard dry	24 hours
Theoretical Coverage	9 - 10 sqm per litre @ 50 microns
Application method	Roller / brush
Clean up	Water
Shelf life	12 months in the unopened container.