

Floorprime

Floorprime 100 is a **solventless, two component polyurethane based, clear primer** recommended for concrete and masonry substrates. It has excellent adhesion to concrete and other cementitious substrates.

Properties:

- Excellent adhesion.
- Excellent penetrating properties.
- Fast setting.
- Excellent bond to PU and epoxy top coats

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.
- Floorprime 100 resin contains inert fillers. Stir it well before mixing with hardener.
- Mix Floorprime 100 Resin and Floorprime 100 hardener in 2 : 1 ratio by volume.
- Agitate the mixture for 2 - 3 minutes. Apply by roller / brush. Allow to cure for 7-8 hours.

Typical Physical properties:

Type	Aromatic urethane
Mixing ratio (R:H)	2 :1 by volume
Volume Solids	100 %
Colour	Light brown, hazy
Flash point	Above 100 ^o C
Pot life	25 - 30 minutes at 30 ^o C
Density @ 27 ^o C :	
Resin	1.06
Hardener	1.22
Viscosity @ 27 ^o C :	
Resin	600 - 900 cps (SP =3)
Hardener	55 - 60 sec
Adhesion, pull of test	Concrete failure
Surface dry	3-4 hours
Tack free dry	8 hours
Hard dry	24 hours
Theoretical Coverage	5 sqm / ltr @ 200 microns
Application method	Brush / roller
Clean up	PUT 502
Shelf life	12 months in the unopened container.