

WP-27

(Advanced PolyAcrylic & Lime based Waterproofing)

DESCRIPTION

WP-27 is a white colored thick liquid made up of Acrylic Polymers, Lime and specialized chemicals which makes it a perfect waterproofing solution. In the presence of moisture the active chemicals combine with the free lime to form insoluble crystalline complexes. These crystals block the capillaries and minor shrinkage cracks in the concrete to prevent any further water ingress.

RECOMMENDED FOR

It can be applied on gypsum boards, cement boards, asbestos sheets, tiles, metal and concrete surface.

FEATURES & BENEFITS

- ❖ Strong adhesive strength
- ❖ Frost & deicing agent resistant
- ❖ Impermeable and easy application
- ❖ Good elasticity and also can be used with fiberglass mesh so as to enhance the crack resistant effect.
- ❖ Resistance to the reaction of carbonation
- ❖ Provide better water resistance in complicating application surface compare to membrane-type and ensure better integrity between applied surfaces and waterproofing.

APPLICATION PROCEDURE

Surface preparation plays an important role in any waterproofing. One needs to make sure that the surface is dirt, dust and oil free. Use electric blower to blow off dust from the surface.

Make a primer by mixing 1kg of **WP-27** and 2ltr of water. Mix it with motored stirrer at a slow

speed of 250 – 300 RPM to get even thickness. Apply it with brush, roller or airless spray. Take 10Kg **WP-27** in a mixing bucket and add 2.5ltr water to it. Mix it with slow speed motored stirrer to make the chemical evenly thick. Apply 2 coats of the chemical on the surface.

CONSUMPTION

Consumption varies from surface to surface. It is recommended to consume at least 0.6 - 0.7 kg of **WP-27** per 1m² in 2 coats to form a thickness of approx 500 microns.

DR Infra Solutions (India)

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Technical Data

Appearance	Smooth, Thick Paste
Color	White
Specific Gravity	0.95 ± 0.10 (ASTM D 1644-03)
Solid Content %	72 ± 2 (ASTM D 1475-03)
Elongation @ Break	> 150 % (ASTM D 412-98)
Viscosity (Spindle No: 7; RPM : 10 @ 25° C	50000 – 70000 CPS
Water Permeability	almost zero
Tensile Set recovery, %	90
Tear Resistance, KN/m	28 ± 10
Service Temperature, 24 hrs @ 120°C	No shrinkage, brittleness
Drying Time @ 25° C.	Approx 3 hours (ASTM D 1640-03)
Insulation Properties	Good
Tensile Strength	0.65 N / mm ² (ASTM D 412-98)

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