

Leakprime⁹⁹™

ULTIMATE BONDING & WATER RESISTANCE



PROTECTION



HIGH STRENGTH



STRONG ADHESION



DURABLE



100% Silane



Eco Friendly



Long Life

Description

Engineer Plus Leakprime-99 is an Acrylic co-polymer emulsion, supplied as a ready to use bonding agent in liquid consistency. It is a versatile product and can be used as a cement modifier for repair of spalled concrete - slabs, balconies, beams, columns, floors & waterproofing of toilets, bathrooms and terraces. Leakprime-99 plays major role in facade coating system. It forms a dry water repellent zone beneath the coating consolidate the substrate and enhance bonding of the coating. It is gas permeable, durable, protects paints & plasters against harmful influences from within the masonry.

Areas of Application

- **Waterproofing Membrane** : Roof terraces, sunken portion of toilets & bathrooms, chhajjas, balcony, etc.
- **Concrete Repairs** : Spalled concrete of slabs, chhajjas, beams, columns, parapet, floor, etc.
- **Waterproofing or Bonding Primer** : Walls & slabs

Features & Benefits

- Fast drying, excellent adhesion to most building materials & no need to cure.
- Increase in durability & toughness of concrete.
- Increase flexural and bond strength of concrete.
- Forms a very tough bond with substrate having good permeability rating.
- High scrub & impact resistance.
- Excellent elastomeric and crack bridging capability.
- Good weathering characteristics.
- No water absorption, withstanding hydrostatic pressure.
- Not susceptible to alkali degradation. Resistance to high alkali, sulfates and salts.
- Good colour retention. High resistance to stain, dirt pickup & UV.
- Breathable coating, allows vapor transmission.

Method of Application

Clean the surface with wire brush, scrubber or air blower to remove hidden dirt, loose particles, lather & dust. De-grease the surface by using suitable solvents, if needed.

- **Bonding Primer**
To be used as a clear bonding primer by diluting 1:5 with water. Apply on the walls before painting or during putty rendering.
- **Waterproofing Primer**
For priming of concrete substrate, the surface should be thoroughly saturated with Engineer Plus Leaksil-99 solution (Dilution Ratio - 1 part Engineer Plus Leaksil-99 20 parts potable Water : 2 parts of Engineer Plus Leakprime-99).
- **Waterproofing Membrane**
For a waterproofing coating mix 1 part Engineer Plus Leakprime-99 with 1 part of cement & 1 part of 100 mesh sand.
Add water for brushability.
Brush apply the mix in span of 4-6 hours on the prepared concrete substrate. It is recommended to saturate the surface with Engineer Plus Leaksil-99 solution prior to this application.
Overlay the coating with a protective screed to the desired slope and thickness.
Coverage : 4-5 m² for a 0.2 mm (200 microns) coat.
- **Repair Mortar & Renders, Floor Screed & PCC**
Prepare the Mortar in the following proportion:
Cement 50 kg
Washed Sand 75 kg
8 mm Down size aggregates 75 kg
Engineer Plus Leakprime-99 (6-7.5 litres)
Water 10 litres
For PCC & Plaster work : Engineer Plus Leakprime-99 200 ml per bag cement.

Coverage

- 3 sq. mtr per coat on a brick masonry surface (mixed with cement).





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Leakprime-99 Multiple Usages & Application Chart

No.	Application	Composition	Qty of Aquaprim-99
1.	Concrete & masonry surface Repair mortar	OPC : 50 kg Washed Sand :10 kg water : 10 ltrs.	6-7.5 ltrs.
2.	Bonding Primer	Water : 5 ltrs.	1 Ltr.
3.	Concrete /Plaster	OPC : 50 kg	150-250 ml
4.	Waterproofing	OPC : 1 kg Sand : 1 kg	1 Ltr.
5.	Putty	Putty-20 kg	150-250 ml
6.	Primer	Primer 20 ltr (water base)	1 Ltr.
7.	Coving	Water : 2.5 ltrs Cement : 5 kg Sand : 15 kg Mix manually / mechanically use the Mixture for smooth coving	1 Ltr.
8.	Enhance washability coverage Bonding, brightness & life of Water base paint	20 lit water base paint	Upto 4Ltr.
9.	Waterproofing with Aquasil-99	Portable water 20 parts Aquasil-99 1 part	2 Ltr.

Technical Data Sheet

PROPERTIES	SPECIFICATION	RESULTS
Physical form		Milky white free flow liquid
Odour		low characteristic
Specific Gravity		1.03 ± .02
Solids		35 % ± 1%
PH		7-9
Solubility		Radily soluble in water
Viscosity	@ 25°C	<500 cps
Dilutant	Clean Potable Water TDS	< 1000 ppm
Flash Point		Non Flammable