



POWER SILICON COATING



PROTECTION



HIGH STRENGTH



STRONG ADHESION



DURABLE



100% Silane



Eco Friendly



Long Life

Description

Leaksil-99 is a 100% Reactive Organosilane Nano-Sealer. When applied on a siliceous substrate, it penetrates up to 2 mm inside the substrate and becomes an integral part of the structure. It converts the nature of the substrate from hydrophilic to hydrophobic. Leaksil-99 is water dislutable, safe, sprayable and easy to apply. Leaksil-99 acts like a 'skin' up to 2 mm deep for your building as against a polymer or paint film that acts like a 'Band-Aid' on your Building. The peel-off issues are eliminated as Leaksil-99 is non-leachable & UV-Resistant. It has a dual property of preventing ingress of liquid water while allowing moisture vapours to escape.

Area 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

- Novel Bacteria Based self-Repairing Nanotechnology of waterproofing.
- Easy to apply, economical, water repellent property maintained for years (20+ years.)
- Breathable coating allows water vapour to pass. Keeps substrate dry. No deterioration occurs.
- The treated surface turns hydrophobic and no longer allows to penetrate water into cracks. It cannot be wetted by water.
- Reduces thermal conductivity.
- Through capillaries drastic reduction in water uptake.
- Resistant to Abrasion, Thermal, UV.
- No shining, no tackiness, No health risk.
- Environment friendly.

Method of Application

- The substrate should be cured, dry and free from internal voids (honey combs).
- If honey combs are present, drill a hole and inject Engineer Plus Leaksil-99 solution 1:20 in water. Allow it to dry and then inject a suitable grout to fill and close the hole.
- For substrates with oil, grease, fungal growth etc., clean and dry the surface thoroughly before application.
- Engineer Plus Leaksil-99 should be diluted with potable water (TDS < 1000 ppm) to obtain a clear transparent solution.
- The diluted solution should be liberally sprayed with low pressure until flood saturation is achieved.
- Flood saturation on horizontal surfaces means no further absorption of Engineer Plus Leaksil-99 even after 5 minutes of saturation.
- On vertical surfaces apply Engineer Plus Leaksil-99 from bottom to the top to eliminate drip-mark formation.
- To achieve full saturation on vertical surface, after repetitive light spray (3-4 times after 30-45 seconds) the solution should drip down the wall.
- Both applications are best done at a temperature between 10°C (50°F) to 35°C (95°F). It is best to do the application during the morning or evening hours to avoid peak heat of the Sun.
- For doing any Screeding / Plastering / Tiles / Paint Work on the treated surface, Engineer Plus Leakprime-99 (Acrylic Binder) must be added to the Engineer Plus Leaksil-99 Solution during preparation in the recommended ratio of 2 parts of Engineer Plus Leakprime-99 1 part of Engineer Plus Leaksil-99 & 20 parts of water.

Technical Data Sheet

PROPERTIES	SPECIFICATION	RESULTS
Form		Rust Clear Liquid
Viscosity	@25°C	<100cps
Specific Gravity		0.91 ± 0.01
Flash Point		12°C
Odour		Low Odour
Solubility (in Water)		Easily Soluble
pH	Approx	6 ± 1
Dilutant	Clean Potable Water TDS	< 1000 ppm
pH		6.5 to 7

Waterproofing of Micro and Hairline Cracks are NOW TREATABLE



Organosilane Based Reactive Waterproofing Nano Technology

- Slab / Terrace / Balconies
- Bathroom / Toilet
- Basements
- Water Bodies
- Vertical Walls
- Retaining Walls
- Exposed Brick Walls
- Sewage Treatment Plants

पानी में मिलाओ
दिवारों को पिलाओ
सदा सुखे रहो

