

MAGIC COAT[®]

ADVANCE

WITH NANO TECHNOLOGY

मेरा घर ठंडा-ठंडा..कुल-कुल..

*Fiber Reinforced Elastomeric
Water Proof & Heat Proof Coating
For Exterior Surfaces.*



Description

Engineer Plus Magic Coat Advance(PU) is a fiber reinforced elastomeric liquid applied waterproofing membrane. Its formulated with PU hybrid polymers and reinforcing acrylic fibers. Upon curing, it forms a thick, seamless, durable membrane thus offering ultimate waterproofing.

Area of Application

- Roof, terrace, parapet wall and vertical walls.

Save Water & Electricity

Features & Benefits

- **Water proofing:-** Resists positive hydrostatic pressure of upto 10 bars.
- **Crack bridging:-** Effectively bridges cracks up to 2.5 mm.
- **Surface Temperature Reduction :-** Provides surface temperature reduction up to 10°C.
- **Special Additive:-** Reinforced with fibers to improve mechanical properties and abrasion resistance.
- **Adhesion:-** Excellent adhesion to substrates like concrete and masonry.
- **Durability:-** Excellent resistance to water, UV rays and ageing.
- **Anti-fungal and Anti-algal :-** Excellent anti-fungal and anti-algal properties.
- **Excellent Anti-Carbonation :-** Acts as an effective barrier against carbon dioxide thus prolonging the life of the structure.

Method of Application

HORIZONTAL SURFACE

Prepare the surface by cleaning with a high pressure water jet/wire brush and ensure that it is free of dust, oil, grease, grime and loose particles etc. In the existing terraces, the substrate must be checked for its soundness, damaged portions & hollow areas must be repaired with Polymer modified mortar. Small cracks 3mm or less should be open out, cleaned & filled with Engineer Plus Crack Fill Paste & wider cracks should be filled with Polymer modified mortar. All corners and joints of drain pipes, channels etc. must be treated with polymer modified mortar prior to coating application. Ensure that the coating is applied at least 6 inch inside the drain pipe. Horizontal Slab area: Apply self-priming coat (diluted with water in 3:1 ratio by volume). Allow to dry for at least 3-4 hrs prior to application of subsequent coat. Apply two coats of Magic Coat Advance(PU) without dilution to achieve forced coverage of 10 sq ft/ltr for all coats put together. For best performance on terraces, ensure that the product is applied on the entire roof including parapet wall to form a continuous blanket.

VERTICAL SURFACE

On vertical surfaces, Magic Coat Advance(PU) is to be applied followed by top coat application in the manner detailed below.

Magic Coat Advance(PU) Application

Fresh surface (Must be a cement plaster in sound condition with no debonding. Localized repairs done as per standard civil practices in case it is required). Apply a fresh coat of Magic Coat Advance(PU) mixed in ratio of 3:1 and applied with a spreading rate of 5.5 Sq meter/Ltr (60 sq feet/ltr). Allow to dry for 4-6 hours and then apply another coat of Magic Coat Advance(PU) without dilution with a spreading rate of 4.5 to 5.1 Sq meter/Ltr (50-55 sq feet/ltr).

Precautions

- Do not apply during rains or extreme temperatures.
- Avoid abuses which may lead to puncturing of membrane.
- Ensure that the product is applied at least 6 inches inside the drain pipe.
- For best results, apply parapet to parapet to envelope the entire building.

Coverage

On RCC or plaster using brush or roller

- **Horizontal Surface** 10 sq. ft. / ltr.
- **Vertical Surface** Fresh painting: 25 sq. ft. / ltr.
Re-painting: 35 - 40 sq. ft. / ltr.

2 in 1



Technical Details

- Form: Ready to use viscous liquid
- Application temperature: 5°C to 35°C
- Appearance: Viscous Liquid
- Color: White
- Specific Gravity: 1.15 gm/cc
- Water Resistance: 10
- Alkali Resistance: 8
- Viscosity Sommer: 124-138 KU
- Solids by wt%: 50.5 to 55.90%
- Tensile strength: 2.90 Mpa
- Elongation: upto 350%

