

RoofPRO Advanced

Heavy Duty Fiber Reinforced
 Waterproof Coating

Product Description:

RoofPRO Advanced is a premium fiber-reinforced waterproofing coating that is composed of very elastic and resilient acrylic polymers, graded fillers, weather durable pigments, additives, microfibers and high quality biocidal, mixed in a water medium. It is usually used as a 3 layer coating systems for structures where high performance waterproofing is necessary. Typically these structure are large roofs where RoofPRO advanced provides a 3-layer protection with fiber mesh coated between two coats of RoofPRO Advanced. It is best for flat roofs, terraces and podiums. It also works as a great coating over existing cementitious waterproofing brickbat coba, concrete screeds, acrylic coatings, sound APP membranes and more.

Advantages:

- Excellent Waterproofing
- 3 Coat System
- Resistant to UV Degradation
- Bridges Cracks Up to 2mm.
- Abrasion Resistant
- Easy to Apply
- Non - Toxic
- Improves Tensile & Bonding Strength
- No shrinkage cracks

Suitable For:

- Terraces
- Old Concrete
- Podiums
- Roof Slabs

Packaging:

Available in 4 & 20 lt.

Color:

White

Coverage:

Approximately 2-2.5 m² per liter per coat
 (3 coats required).

Shelf Life:

Factory packed pail of MagicShield – RoofPRO Advanced carries a shelf life of 24 months in its original packaging, if stored in cool & dry place. However, as temperature, humidity, water addition & other parameters vary from site to site, the information should be treated as a general guideline.

Cautions:

- Do not apply during heavy sunshine, rains or strong winds.
- All joints and gaps should be coated with two extra coats.
- Stir well before use.
- Do not apply on moving joints.
- The product is designed for foot traffic only and not for vehicular or machinery movement.

Safety Precautions:

- Avoid contact with eyes or prolonged contact with skin.
- It is recommended to use rubber hand gloves & safety goggles
- In case of contact with skin, wash the area with plenty of water.
- Keep out of reach of children.



TECHNICAL DATA

Applicable Standard:

BS EN 12390; ASTM D 2240:2002; ASTM D 412:2002; ASTM D 4541:2002

Performance Properties:

Pack	4 & 20 litre
Shelf Life	24 Months in the original packaging
UV Resistant	Excellent
Water Vapor Transmission	19 g/m ² /day
Solid Content	60 +/- 5 %
Crack Bridging Ability	Upto 2 mm
Fungus Resistant	Satisfactory

Working Properties:

Tensile Strength	>0.9 N/mm ²
Adhesion to substrate	1.0 N/mm ²
Chloride Permeability	Very Low
Water Permeability (at 5 bar pressure)	Nil

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on usage methods and site conditions

INSTALLATION

Surface Preparation:

Ensure the roof has minimum drainage fall of 1:100. The application surface must be compact and consistent, free from oil, grease, corrosion deposit, loose particles or any other foreign material prior to commencement of application of MagicShield- RoofPRO Advanced. All the old coating must be completely removed before application. Cracks less than 2mm should be cleaned free of dust.

Mixing and Application:

Dilute MagicShield - RoofPRO Advanced with water at a ratio of 2:1 and apply. And then allow it to dry for the next 2-3 hours after application. Apply the first coat without dilution at the rate of 2.0 sqm/lt. Allow first coat to dry and then apply the second and the third coat at the same rate. Roofs in excess of 200 sq.mt must be sandwiched between the first and the second coat. Cure the system for 7 days.

After 7 days when the surface is cured, if required conduct a ponding test by filling water to ensure leak free surface.

Cleaning:

Clean the tools and equipment with water after use immediately, only hardened material can be removed mechanically.

