

ECMAGUARD PROOFCOAT

Exposure grade, Elastomeric Waterproof Coating

Description

ECMAGUARD PROOFCOAT is pure acrylic base, elastomeric, high build, Eco-friendly, weather resistant, exposure grade waterproofing coating. This highly elastomeric coating with excellent bonding & waterproofing, can be used for new and old concrete structures and masonry. It is designed to resist algae & fungus and to protect structures from harmful effects of water penetration.

Areas of Application

- Waterproofing of old and new Flat or Sloped Roofs
- Metal/ Concrete Roofs/Asbestos/ Cement Roofing Sheets
- Waterproofing of old and new Concrete Roofs and Walls

Advantages

- Water Based, Non-Toxic, Non-flammable and User friendly
- Eco-friendly - no VOC content
- Seamless coating with high dry film thickness – long lasting
- Excellent crack bridging capability
- Excellent tensile and bond strength with substrate
- Excellent UV resistance
- Single Component with easy application
- Can be applied by Brush, Roller or Spray on horizontal & vertical surfaces
- Excellent Bonding with concrete, masonry surfaces, metal, wood, etc.
- Can be tinted to different shades using suitable pigments

Technical Specification

Appearance/ Color	White/ Grey
Specific Gravity at 27°C	1.4±0.1
Solid Contents	>60%
Surface Drying Time at 27°C	10-12 Hours
Hardness Shore A, ASTM D	>45
Elongation at Break at 14 Days ASTM D412	>200
Tensile Strength at 14 Days ASTM D412	>1.5 N/mm ²
Pull off Adhesion at 14 days, ASTM D 541, MPa	>1.5 N/mm ²
UV Resistance, ASTM G154, 1000 hours	No crack, No color change
Crack Bridging ASTM C836:1995	No crack up to 2mm width
Fungi Resistance, ASTM G21	Passes test
Full Cured	12 Days
Recommended Coverage	1.5 Kg/mm/m ²

Application Instructions

Surface Preparation: Surfaces should be cleaned properly, it should be free from all deposits, dust, loose particles, fungus, contaminations, etc. and make surface free from oil, grease, etc. Concrete surfaces shall be fully cured and free from mold release agents and curing compound. This can be done by scarifying, grinding, high pressure water jet or using any other approved method. Repair surfaces for any blow holes, cracks, honeycombs, depressions & damages using ECMAS Polymer mortar or with Hi Finish putty and leave it for at least 1 day before priming. All moving cracks/ joints of two dissimilar substrates shall be sealed with flexible sealants like ECMASEAL PU 1K or ECMASEAL M.S.

Application of ECMAPRIME ACRY : For excellent bonding resultson concrete surfaces use ECMAPRIME ACRY penetrative primer cum sealer coat before application of ECMAGUARD PROOFCOAT. It easily penetrates deeper into the substrate surface and repel inside water, if any to keep outer surfaces dry. This enhances durability of top coat. Stir it well before application then apply one coatwith consumption @ 5-6 Sqm/ Kg using soft brush or roller over the damp surface. In case of high porous surfaces, apply two coats for excellent result and time gap should be 3- 4 hours between two coats.

Application of ECMAGUARD PROOFCOAT: After the application primer coat allow it to touch dry for 2-4 hours. Stir well ECMAGUARD PROOFCOAT to a homogeneous smooth consistency and apply it horizontally with soft brush, roller or spray on sound and prepared surfaces. Allow it to dry for approx. 4-8 hours and when the applied coat becomes sufficiently, apply second coat vertically. Minimum Two coats (@0.5 Kg/Sqm/coat) are recommended for general usage conditions but for better performance and longer durability under exposed conditions, minimum three coats should be applied.

In case, the roof substrate is in poor condition, having a no. of joints or cracks or where substantial movement is expected in the roof structure, apply a sandwich system incorporating reinforcing fabric.

In case, waterproofing cum heat insulation is required on exposed surfaces, first apply 2 coats of ECMAGUARD PROOFCOAT on well prepared, primed surface followed by 2 coats of ECMAGUARD THERMOCOAT.

Precautions

- ECMAGUARD PROOFCOAT should be used without any dilution and should not be over spread to maintain desired film thickness.
- Unused material should not be left open.
- Do not apply if rain is expected within 24 hours.
- Clean all the equipment with water or cleaning Agent.
- Sharp materials/ objects should not be dragged over the ECMAGUARD PROOFOCOAT membrane, as this can damage/puncture the same.
- For better & long-lasting performance, ensure that water is not stagnated on the surface and surface is frequently cleaned with water and soft cloth to remove dirt deposits.
- Surface should be inspected before start of monsoon and if any damaged is noticed, it should be repaired. Treated surfaces should be re-coated every 5 years.

Packaging

20Kg Bucket

Shelf Life

12 months from the date of manufacturing when stored in unopened, original sealed container.

Storage & Handling

- Material should be stored in cool and dry shade at a temperature from +5°C to 40°C
- Protect it from direct sunlight.
- Avoid stacking of containers and handle carefully during transport.

Safety Precautions

Wear all PPE's at the time of application and handling of product like Safety boot, Safety Goggles, Hand Gloves, Mask, etc. and avoid contact with Skin and Eyes. In case eyes or mouth are affected, wash with plenty of clean water and seek medical treatment immediately.

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