

Mahaguard[®] Wall Coat

Elastomeric Waterproof Coating

Description

Mahaguard Wall Coat is composed of high quality acrylic emulsion based elastomeric waterproof coating. It has excellent flexibility, breathability, water resistance, crack-bridging, weathering durability and an excellent resistance to the growth of microorganisms. Mahaguard Wall Coat bridges cracks effectively and it is ultraviolet resistant.

Features / Advantages

- Driven rain, helps prevent water penetration into the substrate.
- Effective carbon dioxide diffusion barrier protects embedded steel from corrosion.
- Higher film thickness provides crack bridging ability, waterproofing properties.
- Flexible and covers hairline cracks (up to 2 mm) effectively, thus prevents ingress of water.
- High elasticity easily withstands stress caused by thermal expansion & contraction.
- No dilution is required.
- Resistance to fungus and algae hence maintains the aesthetic value.
- Provides excellent color retention for a long lasting attractive finish.
- Very low dirt pick up & can be cleaned easily hence maintains the aesthetics.
- User friendly, easily applicable by brush, roller or spray.
- Breath ability for preventing moisture in walls and roofs (MICROPOROUS)
- Can be applied on damp surfaces
- Can be used on coastal areas and gives corrosion protection to rebar's
- Excellent alkali resistance
- Resistance to chalking and flaking
- UV resistant for outstanding durability

Typical Application

All types of exterior masonry/RCC surfaces, concrete, cement sand renderings, existing coating etc. Cement sheets, Stone walls, China mosaic tiles, Sloping roofs.

Technical Information

PROPERTIES	STANDARD	SPECIFICATION
Appearance		White thick viscous liquid
Thinning (Dilution)		No dilution
Finish		Smooth and matt
Touch Drying Time		Min. 30 min. (@28-30°C & 60 ± 5% RH)
Water Resistance		Passes
Recoating Period		Min 5 hrs at RT & 60 ± 5% RH. Ideally 24 hrs.
Elongation (%)	ASTM D-412	> 250
Tensile Strength	ASTM D-412	> 20 kg/cm ²
Accelerated QUV @ 3000 hrs	ASTM D 4587	Passes
Water Absorption@ 24 hrs	ASTM D 417	Passes
Anti-carbonation	EN 1062 part 6	Passes
No. of coats		2-3 coats or depending upon the substrate
Application temperature		+5°C to +45°C
Temperature withstand capacity		-20°C to 90°C
Total Thickness of coating		120 to 140 microns

Method of Application

Surface Preparation

Surface must be thoroughly cleaned, free of dust, grease etc. and washed well with water. Treat any areas affected by Algae, moss or fungal growth with biocide wash solution. The surface to be checked for cracks, hollowness and loose plastered areas etc. if any. All loose plaster and cracks larger than 10 mm width to be repaired with polymer modified mortar using Mahacrete Super Latex. The cracks up to 5 mm to be treated with Acrylic Sealant.

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Priming

After the proper surface preparation and curing of repaired areas wash the surface well and maintaining it in saturated surface dry condition proceed for priming using Mahaguard Uniprime. Maintain the spreading rate of 8-10 sq. mt. per liter for a single coat application to achieve about 20 – 25 microns DFT. Allow it to dry for 6-8 hrs.

Coating

Brush apply one coats of Mahaguard Wall Coat Waterproof Coating without any dilution Maintain the spreading rate of 4.2 - 4.7 sq. mt. per liter / coat application to achieve about 100 - 120 microns DFT. The second coat of Mahaguard Wall Coat to be apply with interval of 6-8 hours without any dilution. Maintain the spreading rate of 6.0 -6.5 sq. mt. per liter / coat application to achieve about 50-60 microns DFT.

For New Construction

Use Mahaguard Wall Coat +50% water as a primer coat and then two coats of Mahaguard Wall Coat.

For Slopping Roofs

Reinforce Mahaguard Wall Coat by incorporating polyester matt of min. thickness of 55-70 gsm as a part of sandwich membrane system. Lay this matt on the first wet coat before application of subsequent coats. System comprises of primer coat + 1 coat of Mahaguard Wall Coat + Polyester mat + 2 coats of Mahaguard Wall Coat.

Precautions

- Use of Mahaguard Wall Coat is must for same system.
- Do not dilute Mahaguard Wall Coat with solvent.
- Do not over thin Mahaguard Wall Coat (not exceeding 20% water)
- For better performance fill the existing cracks with sealant
- The substrate should be free from chalking, dust, grease, loose paint, fungus & algae.



Packing

1L, 5L & 20L



Storage and Shelf life

Store in a cool dry place under shed away from heat. Shelf life is Two year in original unopened conditions.

Protect the material against moisture and direct sunlight.

Storage temperature: 20 to 30°C Products should remain in their original, unopened containers.



Consumption

Primer: 80-100 sq.ft./L and Finish coat: 35-40 sq. ft./L/2 coat. It may vary as per the porosity of substrate.



Cleaning of Tools & Equipments

Tools and equipment should be cleaned with water immediately after use. Do not use the solvent for thinning except where a sealing coat is required.

Ecology, Health and Safety

Health & Safety instructions, all chemicals should not come in contact with skin and eyes or be swallowed. Protective gloves and goggles should be worn. If contact with skin occurs, wash well with soap and water.

Eye contamination should be washed thoroughly with clean water and medical advice sought.

If swallowed seek medical attention immediately. Do not induce vomiting.

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Disclaimer

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

Mahafix

WATERPROOFING SPECIALIST

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