

Mahaguard Roof Coat- 600

Fiber Reinforced Acrylic Liquid Waterproof Coating

Description

Mahaguard Roof Coat - 600 is an elastomeric fibre reinforced waterproof coating that provides a seamless and tough waterproof barrier with excellent crack bridging ability that can accommodate movements due to thermal variations in the waterproofing system.

Features / Advantages

- Provides excellent water resistant barrier on roof / terrace.
- Tough due to fibers so good abrasion resistant.
- Suitable for light foot traffic.
- UV resistant and needs no extra protective screed.
- It is flexible and elastic.
- Accommodates movements in waterproofing system and bridges hairline cracks.
- Easy to apply as it is single component.
- Can be use brush or roller for application on vertical surfaces without sagging.

Typical application

- Building Roofs, Terraces & Balconies etc.
- External cellar sealing, Silos, store rooms & stable retaining walls
- Flat or sloping roofs,
- Over existing cementitious waterproofing treatments like acrylic coatings, etc.

Technical Information

Sr.No.	Properties	Standards	Results
1	Appearance		Viscous Liquid
2	Color		White/Terracotta/Grey
3	Solid Content	IS 101/1964	60 ± 2 %
4	Specific Gravity	IS 101/1964	1.25 ± 0.03
5	Tack Free Time @ 35°C		2 to 3 hrs.
6	Drying Time @ 25°C.	ASTM D 1640 - 03	12 hrs.
7	Hardness Shore A	ASTM D 2240-05	> 50
8	Resistance to Temperature		Approx. -10 °C to +80 °C
9	Elongation Break	ASTM D 412	> 250 %
10	Tensile Strength	ASTM D 412	> 1.8 N/mm ²
11	Crack Bridging	ASTM C 836	1.5 mm
12	Flash Point		Non-flammable
13	Chemical Resistance		Good
14	Pull-Off Adhesion	ASTM D 4541	>1.7 Mpa
15	Water Vapor Transmission	ASTM E 96-095	0.97 gm/h/m ²

Methods of Application

Surface Preparation

Substrate must be dry, clean, free of grease, loose particles, dust etc. Any existing cavities in concrete should be repaired with Non shrink cementitious grout in advance. Intense wide cracks on the substrate must be filled with the PS or PU sealants. For porous concrete substrate or old waterproofing layers and other porous surfaces should be primed with suitable primer.

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Priming

Priming is required on concrete substrates. However absorbent surfaces such as porous concrete, sand/cement and cement boards will require sealing to prevent absorption of Mahaguard Roof coat-600. This should be done by using Mahaguard Uniprime as base primer. For non-porous substrate use Mahaguard Uniprime-11 as primer at consumption of 5-7 m²/L.

Cracks

All shrinkage and non-moving structural cracks should be pretreated with a polymer modified mortar by using Mahacrete SBR Super or Mahaproof PU-600 sealants. Allow to cure overnight before general application.

Application

- Two coats are recommended on uneven and jointed surfaces to minimize the possibility of thin patches, missed areas and pin holes.
- In two-coat applications, it is important to re-coat within 12 hours of the first coat becoming sufficiently cured to allow operator access.
- A short haired synthetic coating brush should be used.
- If a water test is to be done, the membrane should be fully cured. Minimum 72 hrs.
- For better results use Glass Fiber Reinforcement embedded into 1st coat of Mahaguard Roof Coat 600 while 1st coat is wet. Apply 2nd coat in the interval of 8 to 10 hrs after application of 1st coat.

Precautions & Limitations

- Do not apply when the ambient temperature is below 10°C or above 35°C.
- Do not apply during rains. Application done on SSD condition only.
- Adhesion property may get affected over poor quality putty and very smooth surfaces.
- When applying on a concrete surface make sure the concrete is completely cured.
- For performing any kind of pond test in case of water proofing kindly allow the membrane to be cured for minimum 7 days.
- Consume mixed material within 45 to 60 minutes.
- Do not apply coating over loose or cracked plaster surface.
- Not to be used for cathodic treatments to rebar.



Packing

1kg, 5kg &
20kg



Storage and Shelf life

Storage:

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

Protect the material against moisture and direct sunlight. Storage temperature: 20 to 30°C



Consumption

1kg/m²/500µm DFT. Consumption may vary & it depends on the substrate porosity.



Cleaning of Tools & Equipments

Tools and equipment should be cleaned with water immediately after use.

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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.

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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