

Mahaguard Terrace Coat - SR

Synthetic Resin Based Waterproof Coating

Description

Mahaguard Terrace coat – SR is a special synthetic resin based waterproofing coating. It has excellent flexibility and thixotropic nature, it is supplied ready-to-use for cold application. It forms flexible coating.

Features / Advantages

- It is economical
- It offers excellent UV resistance.
- It is ideal for use on horizontal surfaces.
- Provides additional waterproofing and protection.
- It has excellent adhesion for all types of polymers and bituminous coating.

Typical application

- Waterproofing of roof slabs, terraces, balconies, sun shades, parapet walls, roofs ranging from asphalt, asbestos cement sheets, metal surfaces and terrazzo tiles, etc.
- Recommended for both horizontal and sloped structures.
- Waterproofing of new as well as old substrate.

Technical Information

Sr.No.	Properties	Standards	Results
1	Appearance		Viscous Liquid
2	Color		White, Grey & Terracotta
3	Solid Content	IS 101/1964	62 ± 2
4	Specific Gravity	IS 101/1964	1.30 ± 0.05
5	Tack Free Time @ 35°C		2 to 3 hrs.
6	Drying Time @ 25° C.	ASTM D 1640 - 03	11 – 12 hrs.
7	Hardness Shore A	ASTM D 2240-05	55±5
8	Resistance to Temperature		Approx. -30°C to+60°C
9	Elongation at Break	ASTM D 412	> 500 %
10	Tensile Strength	ASTM D 412	> 1.7 N/mm ²
11	Crack Bridging	ASTM C 836	2 mm
12	UV Resistance	ASTM D 822	Excellent
13	Flash Point		Non-flammable
14	Chemical Resistance		Good
15	Tear Resistance		24 KN/M
16	Adhesion Strength	ASTM D 903-98	66 N/mm ²
17	Pull-Off Adhesion	ASTM D 4541	> 1.5 N/mm ²
18	Water Vapor Transmission	ASTM E 96-095	0.97 gm/h–m ²
19	Tensile Set Recovery		93%

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 a polymer modified mortar by using Mahacrete SBR Super or Mahaproof PU-600 sealants.

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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 Terrace Coat-SR**. This should be done by using **Mahaguard Uniprime** as base primer. For non-porous substrate use **Mahaguard Uniprime-11** as primer at a consumption of 5-7 m²/Kg.

Application

1. Two coats are recommended on uneven and jointed surfaces to minimize the possibility of thin patches, missed areas and pin holes.
2. In case of two-coat applications, it is important to re-coat within 12 hours of the first coat becoming sufficiently cured to allow operator access.
3. A short haired synthetic coating brush should be used.
4. If a water test is to be done, the membrane should be fully cured. Minimum 72 hrs.
5. For better results use Glass Fiber Reinforcement embedded into 1st coat of Mahaguard Terrace Coat SR 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.
- All corners, gaps, joints, protrusions & outlets shall be coated with two extra coats.
- Coated surface must be inspected and cleaned bi-annually to maintain overall reflectivity properties.
- Excessive scrubbing should be avoided.
- Mix with a power assisted mechanical mixer before use. Mix until the coating is smooth and consistent.
- Do not apply during rains; substrate must be in SSD condition for application of primer.



Packing

1 kg, 5 kg & 20 kg.



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°C to 30°C



Consumption

1kg/m²/0.5 to 0.6 mm DFT. It may vary and depends upon surface undulations and other detailing.



Cleaning of Tools & Equipments

Tools and equipment should be cleaned with water immediately after use

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

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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[®]
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