

## Mahaguard<sup>™</sup> Terrace Coat-SR

### Synthetic Resin Based Waterproofing Coating

#### Description

**Mahaguard Terrace coat – SR** is a special synthetic resin based waterproofing membrane. It has excellent flexibility and thixotropic nature, it is supplied ready-to-use for cold application. It forms flexible coating, which can be painted over if a light, reflective surface is preferred.

#### 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

PROPERTIES	STANDARD	SPECIFICATION
Appearance		Viscous Liquid
Color		White, Grey & Terracotta
Solid Content (%)	ASTM D 1644-03	62 ± 2
Specific Gravity	ASTM D1475-03	1.30 ± 0.05
Tack Free Time @ 35°C		2 to 3 hrs.
Drying Time @ 25° C.	ASTM D 1640 - 03	11 – 12 hrs.
Hardness Shore A	ASTM D 2240-05	55±5
Resistance to Temperature		Approx. -30°C to +100°C
Elongation at Break (%)	ASTM D 412	> 400
Tensile Strength N/mm <sup>2</sup>	ASTM D 412	2.8
Crack Bridging	ASTM C 836	2mm to 3mm
UV Resistance	ASTM D 822	Excellent
Flash Point		Non-flammable
Chemical Resistance & Insulation Properties		Good
Tear Resistance KN/M		24
Adhesion Strength N/mm <sup>2</sup>	ASTM D 903-98	66
Pull-Off Test N/mm <sup>2</sup>	BS 1881:part 207:1992	2.704
Water Vapor Transmission gm/h-m <sup>2</sup>	ASTM E 96-095	0.97
Solar Reflective Index (SRI)		107
Tensile Set Recovery (%)		93

#### Method of Application

##### Surface Preparation

All surfaces to be waterproofed should be sound, clean and dry. Concrete surfaces should have a light steel-trowel followed by a fine hair broom or equivalent finish which is dry and free of dust, oil and other contaminants. All high spots should be removed. Moss and laitance must be removed physically followed by treatment with fungicidal wash to kill any spores and inhibit further growth. After treatment wash down thoroughly with clean water and allow drying. All metal surfaces should be made clean of paint, oils, rust and other contaminants. For terrazzo tiles remove damaged or washed-out joints & it should be cleaned and repaired or re grouted

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#### Priming

Priming is not normally required on good quality 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.

#### Cracks

All shrinkage and non-moving structural cracks should be pre treated with a polymer modified mortar or 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 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.
- 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 Terrace Coat FB while 1st coat is wet. Apply 2nd coat in the interval of 8 to 10 hrs after application of 1st coat.

#### Curing and Protection

- Mahaguard Terrace Coat-SR must be cured for a minimum of 24 to 48 hours @ 25°C before placing protection. Where damage to the membrane is possible (by traffic, backfilling, etc.) it should be protected by a cementitious screed (minimum 50 mm) or protection boards. A dust coat of cement or separation sheet should be used to prevent adhesion of the membrane to the boards. Where a bond with the topping is not required, a separator sheet should be used.
- To prevent damage to the membrane it is recommended that Mahaguard Terrace Coat-SR is laid in strips of 1 meter width to permit the application of a screed or Protection Board from the uncoated area.
- Do not store material in opened container for a long time.



#### Packing

1kg, 5kg, 20kg  
& 50kg



#### Storage and Shelf life

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 Products should remain in their original, unopened containers.



#### Consumption

1kg/m<sup>2</sup> and DFT is 600 µm to 1mm and coverage depends on substrates condition. Primer: 80-100 sq.ft./ltr



#### Cleaning of Tools & Equipments

Tools and equipment should be cleaned with suitable Solvent 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

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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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