

Mahaguard Terrace Coat - HB

High Build Acrylic Liquid Coating

Description

Mahaguard Terrace Coat-HB is composed of high quality acrylic emulsion polymer, light fast & weather durable pigments, properly selected & graded fine fillers, additives. It is used as a waterproofing & protective liquid coating for exterior side applications. It has excellent elasticity, breathability, water resistance, crack-bridging, weathering durability and an excellent resistance to the growth of micro-organisms.

Features / Advantages

- It dries to form a seamless, highly elastic and waterproof membrane
- Higher film thickness provides crack bridging ability, waterproofing properties
- It helps to prevent water penetration into the substrate from rain.
- Ready to use no dilution is required
- Easy to apply, User friendly, easily applicable by brush, roller or spray
- It dries to form a seamless, highly elastic and waterproof membrane
- Resistance to fungus and algae growth hence maintains the aesthetic value
- It is suitable for horizontal and vertical surfaces.
- Provides excellent color retention for a long lasting.
- Very low dirt pick up & can be cleaned easily hence maintains the aesthetics look.
- It can use for porous and non-porous substrate.
- It is resistant to all- dilute acids or alkali, fumes or fluid gases commonly encountered in the construction industry

Typical application

- It is suitable for both indoor and outdoor sealing and waterproof coating
- External cellar sealing, Silos, store rooms or stable Retaining walls
- All type of construction industries
- Terraces, balconies, roof etc.
- Damp & Flat or sloping roofs

Technical Information

Sr.No.	Properties	Standards	Results
1	Color		White, Dark Grey, Terracotta etc.
2	Specific gravity		1.4 ± 0.1%
3	Flash points		Non flammable
4	Service Temperature		-10°C to +80°C
5	Dry film thickness		1.0 mm
6	Application Temperature		+5°C to 55°C
7	Solid content		> 72 %
8	Tensile strength	ASTM D 412	> 1.5 Mpa
9	Elongation at Break %	ASTM D 412	> 400 %
10	Water vapour transmission	ASTM D 96	1.6 gr/m2 24 hr.
11	Recovery	IS 1536	85 %
12	Creep at 80°C	DIN 52123	No creep
13	Resistance to standing water	ASTM D 2939	Passed
14	Bacterial attack in soil 30 days @40°C	ASTM D 2939	Passed
15	Crack bridging	ASTM C 836	Up to 2 mm

Methods 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.

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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 PU Coat-781**. 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/L.

Cracks

All shrinkage and non-moving structural cracks should be pretreated with a polymer modified mortar or sealants. Allow to cure overnight before general application.

Application

1. Mahaguard Terrace Coat-HB is a membrane coating, not paint and as such protection is only achieved with a high film build, i.e. 1 mm minimum on flat surfaces. The membrane can be applied in 1 mm coat or two 0.5 mm coats, maintaining min DFT of 1mm & above.
2. Two coats are recommended on uneven and jointed surfaces to minimize the possibility of thin patches, missed areas and pin hole. Also sloping or vertical surfaces will only accept 0.5 mm per coat. In the case of two-coat application, it is important to re-coat within 24 hours of the first coat becoming sufficiently cured to allow operator access.
3. The minimum application life (after opening the pack) is up to 48 hours if stored in closed containers.
4. A short haired synthetic coating brush should be used.
5. If a water test is to be done, the membrane should be fully cured. Minimum 72 hrs.
6. For better results use Glass Fiber Reinforcement embedded into 1st coat of Mahaguard Terrace Coat-HB while 1st coat is wet. Apply 2nd coat after 8 to 10 hrs of 1st coat.
7. The dry film thickness (DFT) of Mahaguard Terrace Coat-HB should not be less than 0.5 mm or more than 1.0mm for each coat. Rough or textured surfaces will reduce the coverage rate and consequently more material must be allowed to achieve the minimum DFT.

Curing and Protection

1. Mahaguard Terrace Coat-HB must be cured for a minimum of 24 to 48 hours @ 25°C
2. To prevent damage to the membrane it is recommended that Mahaguard Terrace Coat-HB is laid in strips of 1 meter width.
3. Do not store material in opened container for a long time.

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 to 30°C Products should remain in their original, unopened containers.



Consumption

1.5 to 1.8 kg/m² in two coats and DFT is 0.95 mm to 1mm. Consumption may vary & it is depend on the substrate porosity



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.

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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

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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.

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WATERPROOFING SPECIALIST



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