

Mahaguard NMB-772

Bituminous Elastomeric Rubberised Coating

Description

Mahaguard NMB-772 is a liquid bituminous elastomeric waterproofing membrane, specially designed from a blend of special resin and rubber. It is an extremely flexible coating that can be efficiently applied to any thickness by roller or squeegee creating a fully adhered waterproofing coating with no wastage. It is water based waterproofing coating.

Features / Advantages

- A highly elastic product, and cures to a rubber like membrane capable of withstanding severe cases of expansion & contraction.
- More durable than normal asphalt coating and lasts longer than most other coatings.
- Superior adhesion properties ensure durable bonding to substrate and resistance to peeling, chipping and separation.
- Unique property of adapting itself over the irregular contours of the deck and forming a waterproof and impervious membrane.
- Single component, cold applied and does not require mixing and heating.
- It has good anti-root property.
- It has excellent adhesion to most of all concrete substrates
- It can be used with proper reinforcement / sandwich coat.

Typical application

- It is used for concrete roofs, polyurethane foam slabs, polyester built up roofs, maintenance of existing roofs, masonry and concrete walls bathrooms, basements, bridges, decks, podium areas, metal surfaces, brickwork, asphalt & corrugated asbestos etc.
- It can be used as sandwich membrane in new construction and as a surface treatment on existing slabs.
- Protective coating in infrastructure projects in civil engineering on non-trafficked areas.

Technical Information

Sr.No.	Properties	Standard	Results
1	Appearance		Smooth, Thick Paste
2	Color		Becomes black after drying
3	Specific gravity	(IS 101/1964)	1.00 ± 0.05
4	% Solid Content	(IS 101/1964)	55 ± 2
5	Tack Free Time @ 35°C		2 to 3 hrs.
6	Drying Time @ 25° C.	ASTM D 1640 -03	9–10 hrs.
7	Toxicity		Non-Toxic
8	Tear Resistance KN/M		28±10
9	Crack Bridging Capacity		>2mm
10	% Elongation	(ASTM D 412)	> 1400 %
11	Tensile Strength	(ASTM D 412)	> 1 N/mm ²
12	Water Vapour transmission for 1.0 mm film		0.46 g/m ² /24 hrs.
13	Permeability	(ASTM E 96)	Passes test
14	Pull-Off Adhesion	(ASTM D 4541)	> 1.3 N/mm ²
15	Recovery after 100 % Elongation	(ASTM D 412)	> 95%

Methods 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 SBR Super**. The cracks up to 5 mm to be treated with **Rhino Crackseal-Paste**.

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 NMB-772**. This should be done by using a **Mahaguard Uniprime** as primer. For Non-porous substrate use **Mahaguard Uniprime-11** as primer.

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- Apply 1st coat of Mahaguard NMB-772 over the primed surface.
- Apply 2nd coat in the interval of 8 - 10 hours in perpendicular direction.
- 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 while it is wet.
- Apply 2nd coat in the interval of 8 to 10 hrs after application of 1st coat.
- The dry film thickness (DFT) of Mahaguard NMB -772 should not be less than 0.4 to 0.5 mm.

Protection

- Mahaguard NMB-772 must be cured for a minimum of 24 to 48 hours @ 25°C before placing protection. Where damage to the coating is possible (by traffic, backfilling, etc.) & it should be protected by a cementitious screed or protection boards. A dust coat of cement or separation sheet should be used to prevent adhesion of the coating to the boards. Where a bond with the topping is not required, a separator sheet should be used.
- All exposed areas of Mahaguard NMB 772 should be coated with Mahaguard Terrace Coat-SR to ensure maximum resistance to ultraviolet radiation.

Precautions & Limitations

- Do not apply the material above 25°C substrate temperature.
- For better performance do not add excess water in the material.



Packing

1L, 5L & 20L



Storage and Shelf life

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



Consumption

1.2-1.4m²/L/0.4 to 0.5 mm. It may vary and depends upon surface undulations and other detailing.



Cleaning of Tools & Equipments

Tools and equipment should be cleaned with water or suitable solvent 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.

Mahaguard Black Shield - 706

Single Component Elastomeric Bituminous Coating

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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