

Mahaguard Black Shield - 706

Single Component Elastomeric Bituminous Coating

Description

Mahaguard Blackshield-706 is a single-pack bitumen-based flexible protective waterproof liquid membrane. It is highly durable waterproofing coating having excellent root resistance, alkaline and efflorescence, and mould and algae properties.

Features / Advantages

- Water based product, hence, an eco-friendly product
- Economical
- Highly flexible will not brittle at wider temperature range, can be applied in moist roof also
- Excellent water vapour barrier
- One component, ready to use. Cold applied.
- Easily repaired by spot application
- Excellent adhesion.
- It has excellent Anti-root properties

Typical application

It ideal for a wide range of waterproofing applications such as basements, tunnels, ground floors, suspended floors, roof terraces, balconies, and inspection pits water retaining structures (not potable water), sewage works, and inverted roofs.

Technical Information

Sr.No.	Properties	Standard	Results
1	Appearance		Black colored viscous liquid (TM)
2	Specific gravity	(IS 101/1964)	1.20 ± 0.05
3	Solid Content	(IS 101/1964)	58 ± 2 %
4	Elongation	(ASTM D 412)	> 600 %
5	Water Vapour transmission for 1.0 mm film		8.5 g/m ² /24 hrs.
6	Permeability	(ASTM E 96)	Passes test
7	Recovery after 100 % Elongation	(ASTM D 412)	> 85%
8	Shore A Hardness	(ASTM D 2240)	> 50
9	Drying Time		45-50 min depending upon temp/ humidity

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 a polymer modified mortar by using **Mahacrete SBR Super** or **Mahaproof PU-600 sealants**. Allow to cure overnight before general application. The cracks up to 5 mm to be treated with **Rhino Crackseal-Paste**.

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 Blackshield -706**. This should be done by using **Mahaguard Uniprime** as base primer. For non-porous substrate use **Mahaguard Uniprime-11** as primer.

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 Blackshield-706 while 1st coat is wet. Apply 2nd coat in the interval of 8 to 10 hrs after application of 1st coat.

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Protection

- Mahaguard Blackshield-706 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 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.
- All exposed areas of Mahaguard Blackshield-706 should be coated with Mahaguard Terracecoat- SR/ Mahaguard PU Coat-781 to ensure maximum resistance to ultraviolet radiation.

Precautions & Limitations

- Do not dilute Mahaguard Blackshield-706 with water or solvent.
- Do not apply the material above 35°C substrate temperature.



Packing

5kg & 20 kg



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

1-1.1m²/kg/0.5 mm DFT. Rough or textured surfaces will reduce the coverage rate and consequently more material.



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

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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