

MAXSHIELD[®] ELASTCOAT

Single Component, Liquid Applied Acrylic Polymer Based Waterproof Coating for Wet Areas



MAXSHIELD[®] ELASTCOAT is a liquid applied, acrylic waterproof membrane specialized in protecting the wet areas from water ingress. It provides an excellent waterproof coating with efficient solution for water seepage. The product has an excellent adhesion to the substrate and flexibility to counteract peeling.

For areas demanding high tensile strength, MAXSHIELD[®] ELASTCOAT is used in conjunction with a nonwoven polyester fabric, MAXSHIELD[®] FABRIC.

Uses

MAXSHIELD[®] ELASTCOAT is applicable in areas as follows:

- Wet and sunken areas
- Roofs and terraces of buildings- Flat and sloping
- Balconies
- Under tile applications
- Over existing cementitious waterproof treatments like brick-bat coba, concrete screed, bituminous coatings and acrylic coatings
- New/ Existing concrete surfaces
- Metal roofs
- On damp surfaces
- On any profile without additional mechanical fixing

Benefits

- Excellent crack bridging capacity
- Good abrasion resistance and suitable for foot traffic
- Anti-fungal & anti-algal resistance
- Good breathability and elongation
- Excellent alkali resistance
- Resistance to chalking & flaking
- Can be over coated for heat insulation
- Limited UV resistance

Technical Support

Thermax provides a free technical advisory service supported by a team of specialists in the field.

Properties

Solid Content	Approx. 60%
Surface Dry	30-60 minutes
Tack Free Dry	6-8 hours
Hard Dry	24 hours
Elongation	Approx. 180%

Elongation with Fabric Reinforcement	Approx. 60%
Tensile Strength with Fabric Reinforcement	Approx. 3.5 N/mm ²
Recoating Time	6-8 hours
Adhesion to Concrete	Excellent

Instructions for Use

Surface Preparation

The long term durability of any floor system is determined by the adhesive bond achieved between the flooring material and the substrates. It is most important therefore, that the substrates are correctly prepared prior to application.

All surfaces to be treated with MAXSHIELD[®] ELASTCOAT must be cleaned by a wire brush or other mechanical means for removing all dust. The surface also be free from oil, grease, wax or any other form of foreign matter which may affect adhesion. Damaged concrete or plaster must be removed for sound substrate and repaired accordingly before coating.

Thorough grinding in all cases is compulsory to create a rough profile for better adhesion of the waterproofing system.

New Concrete Surface

The floor concrete should be at least 28 days old and give a hygrometer reading not exceeding 75% RH when tested. It should be sound and free from contamination such as oil and grease, mortar and paint splashes or curing compound residues. Laitance should be removed by grinding.

Apply a coat of MAXSHIELD[®] PRIMAC over concrete surface with help of brush or roller and allow it to dry for 6-8 hrs. The primer should be applied in a thin, continuous film. Work the primer well into the surface of the concrete taking care to avoid puddling or over application.

Old Concrete Surface

Remove all loosely adhered coatings & other contaminants. Fill existing cracks with sealant. Apply a coat of MAXSHIELD[®] PRIMAC over the treated surface with the help of brush or roller and allow it to dry for 6-8 hours.

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Application

Apply the first coat of MAXSHIELD[®] ELASTCOAT using a roller or a brush at a coverage rate of 600-650 gm/m². Immediately roll out 60 GSM non-woven polyester fabric, MAXSHIELD[®] FABRIC and remove any air in the layers with the help of rollers. Allow to dry for 6-8 hours (overnight). Apply the second coat of MAXSHIELD[®] ELASTCOAT at a coverage rate of 500-550 gm/m² and allow it to dry for 6-8 hours (overnight). Apply the third coat at the rate of 300-400 gm/m² and sprinkle silica if further overlaying (cementing, tiling, etc.) is required.

Precautions

- Avoid application below 5°C and above 35°C.
- Avoid application in foggy conditions.

Health and Safety Instructions

Wear suitable protective clothing, gloves and eye protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately- do not induce vomiting. MSDS Safety data sheet is available with our technical department and can be sent on specific request.

Packing

Available in containers of 25kg.

Shelf Life

12 months in original unopened package stored in cool dry place out of direct sunlight.

Colour

Available in white, grey and can be manufactured in all RAL shades. Usually preferred in white for better thermal insulation.

Coverage

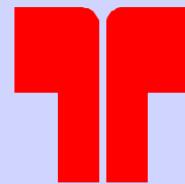
1.5 kg/sqm with fabric reinforcement in 3 coats (First coat on MAXSHIELD[®] PRIMAC below the fabric, second and third on the fabric to saturate the same)

4-5 m²/kg @ 2mm Thickness for MAXSHIELD[®] PRIMAC

Other Segments:

- Concrete Admixtures • Surface Treatments • Grouts & Anchors • Repair & Rehabilitation
- Protective Coatings • Industrial Flooring • Waterproofing • Sealants • Adhesives

Disclaimer: The information contained in this document is true and accurate to the best of our knowledge and is based on our experience & test results. It is always the Company's endeavor to give true and accurate information however as it does not have any direct and/or continuing control on the use of the Products, the Company cannot accept any liability, direct or indirect as a consequence of the use of Products. In the event of any doubt upon any critical parameter it is advisable to seek clarification from our technical representative.



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