

PRATIX® RM 75

Alkali-Resistant Multi-Purpose Glass-Fibre Mesh

Product Description

PRATIX® RM 75 is a lightweight woven glass-fibre mesh with an alkali-resistant polymer coating and a mass per unit area of 75 g/m². It is embedded in gypsum- and cement-based renders, as well as in bitumen-based and two-component cement-based waterproofing materials.

Its light, thin structure makes it suitable for thin-layer applications. It must not be used as the reinforcing mesh in external thermal insulation composite systems (ETICS), as it does not provide the impact resistance the system requires; THERMOMAX® RM 160 must be used in these applications.

Fields of Application

- Prevention of cracking in gypsum- and cement-based renders, indoors and outdoors
- Reinforcement of render at junctions between different materials, such as concrete – masonry, column – wall and beam – wall
- In renders over service chases, closed-up openings and repaired areas
- As a reinforcing layer in two-component cement-based waterproofing materials
- As a reinforcing layer in bitumen-based waterproofing coatings
- Reinforcement of detail points in waterproofing, such as internal and external corners, fillets and pipe penetrations

Advantages

- Its light, thin structure allows it to be used in thin-layer renders and coatings without increasing layer thickness
- Its alkali-resistant coating ensures it does not lose strength over time in cement-based materials
- Reinforces the layer in which it is embedded, distributes stresses caused by shrinkage and thermal movement, and prevents hairline cracking
- Flexible structure adapts easily to corners, fillets and returns; easy to cut and lay
- Does not rot; resistant to weathering

Technical Properties

General Information	
Material	Woven glass-fibre mesh
Coating	Alkali-resistant polymer coating
Colour	Yellow
Mass per unit area	75 g/m ² (± 5%)
Mesh size	5 × 5 mm
Performance Data	
Tensile strength – warp / weft (EN 13496)	≥ 15 N/mm (≥ 750 N/50 mm)
Residual strength after alkali conditioning	≥ 50% of initial value

Application Data	
Suitable materials	Gypsum- and cement-based renders Bitumen-based waterproofing coatings Two-component cement-based waterproofing materials
Overlap	Min. 10 cm
Extension beyond junctions	10 – 20 cm on each side of the junction line
Consumption	Approx. 1.1 m ² /m ² (including overlaps)

The technical values stated were obtained at an ambient temperature of +23°C and 50% relative humidity.

Application Instructions

Before Application

The substrate must be sound, clean and free of dust; surface preparation must follow the technical data sheet of the render or waterproofing material used with the mesh. The mesh is prepared in advance by cutting it from the roll into strips of suitable length for the area. At junctions between different materials, the mesh strip must be cut wide enough to extend 10 – 20 cm beyond each side of the junction line.

In Render Applications

The first coat of render is applied to the substrate. The mesh is laid from the top downwards into the still-fresh render and embedded by pressing it with the trowel from the centre towards the edges. The mesh must be free of wrinkles and taut, and must lie in the part of the render layer close to the outer surface. Adjacent strips must overlap by at least 10 cm. Before the first coat sets, the second coat is applied to cover the mesh completely; the mesh must not be visible at the surface. Laying the mesh dry on the substrate and applying render over it is not correct practice. Additional mesh pieces of 20 × 30 cm must be placed diagonally (45°) at the corners of window and door openings.

In Waterproofing Applications

The first coat of the waterproofing material is applied at the thickness stated in its technical data sheet. The mesh is laid into the still-fresh material and pressed in with a brush or trowel until fully embedded. Adjacent strips must overlap by at least 10 cm. Once the first coat is dry enough to walk on, the second coat is applied to cover the mesh completely. Detail points such as internal and external corners, fillets, drains and pipe penetrations must be reinforced with additional mesh strips before the main surface is coated.

Storage Conditions and Shelf Life

Store in the original packaging in a dry, cool place, protected from direct sunlight and moisture. Stack the rolls so that they are not crushed and do not place heavy loads on them. When stored correctly, the shelf life is 36 months from the date of manufacture.

Safety Precautions

Glass fibre may cause itching and irritation on contact with bare skin. Wear protective gloves and long-sleeved work clothing during application and cutting, and protective goggles when cutting. In case of skin contact, wash with plenty of water. Store out of reach of children.

Liability

Our company is responsible only for the quality of the product. Any use of the product outside the scope of the written technical recommendations, including incorrect application or use under unsuitable conditions, is entirely the responsibility of the user. For further technical information, please refer to the product catalogue or contact our representatives.

Packaging

Rolls of 1 m × 50 m (50 m²)

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