

Durex® High-Impact Mesh

Heavy-Duty Reinforcing Fibreglass Mesh (15.0 oz)

- Description** Durex® High-Impact Mesh is an alkaline-coated fibreglass fabric which is suitable to work as reinforcement for polymer-modified and polymer-based cementitious base coats, and used as a heavy-duty mesh layer in all Durex® EIFS Systems and Durex® Stucco Lite System. Durex® High-Impact Mesh is produced on a loom using warp and weft (fill) yarns and woven into a leno weave, where the fill yarns are trapped tightly between twisting wrap yarns, and is then treated by alkali-resistant macromolecule latex for superior performance.
- Uses**
- Heavy-Duty Reinforcement Mesh for the base coat layer in all Durex® EIFS Systems when very high levels of impact resistance are required
 - Heavy-Duty Reinforcement Mesh for Durex® Stucco Lite System
 - Heavy-Duty Reinforcement for crack bridging in masonry substrates
- Features**
- Fibreglass mesh of tested quality, capable of withstanding high tension without stretching
 - Glass fibres with negligible sensitivity to temperature changes within the wall
 - Proper fibreglass anti-alkaline dressing to avoid quick aging of the wall reinforcement due to corrosion action of alkalis present in coating mortar
 - Provides dimensional stability and enhances performance
 - Prevents cracking
 - Good cohesion
 - Flexible

TECHNICAL DATA

PHYSICAL PROPERTIES	
Product Type	E-Glass fibres
Appearance	White woven fabric with leno weave pattern
Weight	15.4 oz/yd ² (522 g/m ²)
Roll Widths	38"
Finish	Alkali Resistant Coating
Coverage	225 ft ² (20.9 m ²) per roll (38")

PERFORMANCE PROPERTIES	METHOD	RESULT
Tensile Strength (Weft)	ASTM D5035	645 lb./in (2860 N/2.54 cm) minimum values
Tensile Strength (Warp)	ASTM D5035	640 lb./in (2850 N/2.54 cm) minimum values
Construction (Weft)	ASTM D3775	4.4 yarns/in (17 yarns/10 cm)
Construction (Warp)	ASTM D3775	4.2 yarns/in (17 yarns/10 cm)

Installation Procedure When installing a Durex® EIFS System, ensure that at all areas where back-wrapping has been installed, to apply a layer of base coat and embed the remaining length of detail-reinforcing fabric onto the face of the insulation board. Use an edging tool to smooth the corner to render it square. Reinforce all the corners of openings where no control joints are detailed with an additional strip of reinforcing fabric, 230 mm by 305 mm (9" x 12") installed diagonally across the corners. Apply a layer of base coat over the insulation surface, applying sufficient pressure in the troweling process to ensure full contact with the insulation. Immediately place the reinforcing fabric onto the wet base coat and trowel the fabric from the centre to the edges, filling all voids in the fabric until the mesh is completely embedded. Provide high-impact reinforcing fabric where indicated on drawings. Tightly abut all edges; do not lap high-impact reinforcing fabric. Embed the fabric into the wet base coat and trowel the fabric from the centre to the edges, filling all voids in the fabric until the mesh is completely embedded. Allow the high-impact base coat layer to dry a minimum of 24 hours before applying the standard reinforcing fabric. Install reinforcing fabric tight, straight and free of wrinkles, ripples and waves. Overlap the detail-reinforcing fabric with the standard reinforcing fabric by 100 mm (4") at all locations where detail-reinforcing fabric has been installed. Install the standard reinforcing fabric overlapping fabric joints by a minimum of 63 mm (2 1/2") and double-wrapping inside and outside corners a minimum of 203 mm. When installing Durex® Stucco Lite, embed the Durex® Fibreglass Reinforcing Mesh into the wet base coat and trowel it from the centre to the edges, filling all voids in the fabric until it is completely embedded.

Health and Safety

For information and advice on the safe handling, storage and disposal of chemical products, refer to the most recent SDS sheet containing physical, environmental, toxic and other safety/materials handling data. For industrial use only. Keep out of reach of children.

Warranty

Durabond warrants this product is free of manufacturing defects, and will replace at no charge, provided it has been applied within 12 months of purchase, it has been installed for uses suitable for this product and in accordance with the manufacturer's instructions.

Technical Services

Technical support is available upon request at info@durabond.com. For the latest version of this data sheet, please visit our website at www.durabond.com, call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Products Ltd. sales representative.

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