Licata Fibreglass Mesh 160

Alkali-resistant glass fibre reinforcing mesh, 160 g/m², for embedding in the base coat of Licata external wall insulation and reinforced render systems.

160 G/M² | ALKALI RESISTANT | 1 M WIDE | EAD 040016-00-0404

Description

A woven glass fibre mesh with an alkali-resistant, fibre-fixing coating, designed to reinforce cement-based and polymer-modified base coats in external thermal insulation composite systems (ETICS). Embedded in the base coat over the insulation, the mesh reinforces the render layer across the elevation.

Used in all Licata EWI build-ups and in reinforced render repair cycles on cracked or micro-cracked facades. Supplied in 1 m wide rolls of 50 m as standard; 10 m, 20 m and 25 m rolls are available to order.

Application

- Apply the base coat over the whole surface of the insulation with a 10 mm notched trowel.
- Embed the mesh into the wet base coat, working from top to bottom and from the inside of the elevation outwards, then smooth over with a flat trowel.
- Overlap adjacent strips by at least 100 mm.
- Position the mesh in the middle of the base coat layer on EPS, and in the outer third on mineral wool.
- Make sure the mesh is fully covered with no texture showing through before the second coat.

Product information	
Material	Glass fibre with alkali-resistant, fibre-fixing coating
Weight (treated fabric)	160 g/m² (±5%)
Roll width	1 m (±1%)
Roll length	50 m (±1%) standard; 10 m, 20 m and 25 m to order

Storage and handling

Store rolls in a dry place, protected from UV light and heat, in their plastic wrapping and standing upright in the carton on a wooden pallet. Storage temperature between -10 °C and +40 °C.

Health and safety

No hazard labelling is required under Regulation (EC) No 1907/2006 (REACH).

Technical data

Tested to EAD 040016-00-0404, glass fibre mesh for the reinforcement of cement-based renderings. Values in warp / weft (MD / CMD) where two are given.

Property	Test method	Declared value
Length	Manufacturer's declared value	50 m (±1%)
Width	EAD 040016-00-0404, 2.2.5	100 cm (±1%)
Mesh size (warp / weft)	EAD 040016-00-0404, 2.2.4	5.1 x 4.2 mm (±0.5 mm)
Mesh opening (warp / weft)	EAD 040016-00-0404, 2.2.4	3.9 x 3.8 mm (±0.5 mm)
Weaving accuracy	EAD 040016-00-0404, 2.2.6	Pass
Treated fabric weight	EAD 040016-00-0404, 2.2.8	160 g/m² (±5%)
Thickness	EAD 040016-00-0404, 2.2.9	0.43 mm (±0.02 mm)
Reaction to fire	EAD 040016-00-0404, 2.2.1; EN 13501-1	NPD
Organic content	EAD 040016-00-0404, 2.2.2	20% (±4%)
Average calorific value	EAD 040016-00-0404, 2.2.3; EN ISO 1716	6.61 MJ/kg; 1.05 MJ/m²
Average tensile strength (warp / weft)	EAD 040016-00-0404, 2.2.7 (ETAG 004, 5.6.7.1.1)	> 2000 N/5 cm / > 2000 N/5 cm
Elongation (warp / weft)	EAD 040016-00-0404, 2.2.7 (ETAG 004, 5.6.7.1.1)	< 4.5% / < 4.5%
Average tensile strength after ageing (warp / weft)	EAD 040016-00-0404, 2.2.7 (ETAG 004, 5.6.7.1.2)	> 1000 N/5 cm / > 1000 N/5 cm minimum 50% / minimum 50% retained
Elongation after ageing (warp / weft)	EAD 040016-00-0404, 2.2.7 (ETAG 004, 5.6.7.1.2)	< 3.5% / < 3.5%

NPD: no performance determined. The reaction to fire of the mesh is not classified separately; the fire classification of the complete wall build-up is confirmed by the relevant Licata system certificate.

Notes

The information in this data sheet reflects our current knowledge and is given in good faith. It does not constitute a legally binding assurance of performance. As the conditions of use are beyond our control, it is the responsibility of the specifier and installer to confirm that the product is suitable for the intended application and to follow the relevant Licata system specification and installation guidance. Licata reserves the right to change product specifications without notice. For project-specific advice and system certificates, contact the Licata technical team.