

weber.therm 311

Coarse reinforcement fabric

Non-sliding fiberglass fabric with highly alkali-resistant coating

Fields of application

As part of several Etics (external thermal composite systems) **weber.therm** for the reinforcement of the mortar layers on top of insulation boards.

The premium-grade synthetic treatment of the mesh protects the fiberglass from alkali attack of the used mortars.

Description

weber.therm 311 is a factory-made woven mesh.

Composition

Woven glass fiber.

Main features

- offers a good mechanical key of the following render layers thanks to its coarse mesh size
- high alkalinity resistance
- compatible with all Weber Etics
- for use as reinforcement of the mortar layers within Etics **weber.therm** on top of insulation boards

Technical values

| | |
|--|--|
| Clear mesh width (target value): | 4 mm / 4.5 mm |
| Fabric width (target value): | 110 cm |
| Roll length (target value): | 50 m |
| Thickness of finished fabric (target value): | 0.50 mm |
| Basis weight of raw fabric (target value): | 117 g/m ² |
| Weight per unit area of finished fabric: | 160 g/m ² |
| Type of fabric finish: | alkali-resistant, plasticizer-free, non-slip |

Technical Data Sheet



| | Strength | Strength | Elongation |
|----------------------------|---------------|---------------|---------------|
| | nominal value | single value | average value |
| Delivery condition: | 2.100 / 2.000 | 1.900 / 1.800 | 3.8 / 3.8 |
| 6-hour alkaline solution: | 1.600 / 1.500 | 1.100 / 1.000 | 3.5 / 3.5 |
| 24-hour alkaline solution: | | 50% / 50% | |
| 3-ion solution (ETAG 004): | | 1000 / 1000 | |
| | | 50% / 50% | |

Strength and elongation: the minimum strength (N/5 cm) and maximum elongation (%) are determined according to EN ISO 13934-1.

Quality control

weber.therm 311 is subject to a regular quality control by self-monitoring.

Working instructions

- Spray/apply the reinforcing mortar (for ex. **weber.therm 300, 301**, etc.) in the specified thickness onto the insulation boards and strike off with a stainless smoothing trowel.
- Rule level with a straight edge (for ex. aluminium beam), avoiding honeycombs or gaping holes.
- Lay the woven mesh **weber.therm 311** "wet-in-wet" in vertical or horizontal directions wrinkle-free strips across the whole surface. The strips must overlap by at least 10 cm. Gently press the mesh with a flat trowel. The mesh must lie in the upper half of the mortar layer.

Practical information

Storage:

The packed rolls must be stored in vertical position on wooden pallets at temperatures between -10°C and +50°C in dry and closed storage rooms.

Packagings

| Type | Sales unit | Number / euro-pallet |
|------|-------------------|----------------------|
| Roll | 55 m ² | 30 rolls |

The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.