

Glass fiber mesh alkali resistant

PRODUCT

Glass fiber mesh fabrics combined with specially designed mesh surface treatments can be used in a wide range of applications.

webertherm mesh, an alkali resistant fiberglass mesh, is used in the ETICS system, embedded in the base coat to form a good reinforcement for the render.

The installation of **webertherm mesh**:

- Improves the mechanical resistance of thin renders, the flexibility and anti-impact ability of the whole ETICS system.
- Prevents the occurrence of cracks during setting
- Prevents the expansion / shrinkage during the life of the render (variation of external temperature, mortar shrinkage and movements of the insulation panels)



PROPERTIES

- High mechanical strength
- Excellent dimensional stability
- Compatible with all major facade systems

TECHNICAL CHARACTERISTICS

	Standard mesh	High impact resistant mesh	Ultra high impact resistant mesh
Weave	Half leno	Half leno	Half leno
Standard width	100 or 110 cm / individual value	100 cm / individual value	100 cm / individual value
Roll length	50 m / individual value	25 m / individual value	25 m / individual value
Treated fabric thickness	0.52 mm / informative value	0.9 mm / informative value	1.1 mm / informative value
Loom state fabric weight	132 g/m ² / informative value	275 g/m ² / informative value	440 g/m ² / informative value
Treated fabric weight	160 g/m ² / informative value	300-330 g/m ² / informative value	525 g/m ² / informative value
Treatment type	alkali resistant without emollient, obstructing yarn drifting	alkali resistant without emollient, obstructing yarn drifting	alkali resistant without emollient, obstructing yarn drifting

(i) Other dimension on request.

	Standard mesh	High impact resistant
Tensile strength as per ETAG004	50% of the declared value and 20 N/mm	50% of the declared value
Tensile strength as per ASTM E2568	>21 N/mm	>21 N/mm

Tensile strength (TS) and elongation

Minimum individual tensile strength (N/50 mm) and maximum elongation (%) when reaching minimum tensile strength is ascertained according to DIN EN ISO 13934-1 as per below.

TOLERANCES

- Width: $\pm 1\%$
- Length: $- 0\% + 2\%$

IMPACT RESISTANCE

webertherm mesh when tested for impact resistance per US industry standard ANSI/EIMA 99-A-2001 EIMA 101.86 test method meets level 4 acceptance criteria.

Level 4 acceptance criteria is >17 Joules.

webertherm mesh complies with the standard ASTM E 2486 and EAD 040083-00-0404.

QUALITY INSPECTION

The way of quality inspection, taking of the samples and taking over of the material, is according to 0326 works standard.

PACKAGING

The rolls of fabrics are packed vertically in cardboard, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing.

STORING

Packed rolls are to be stored in dry rooms. Storing temperature is from -10°C to $+ 50^{\circ}\text{C}$.

DISCLAIMER

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