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
Setting	**Wrap** **Weft**	25*2 per 100mm 20.5 per 100mm	30*2 per 100mm 12.5 per 100mm
Weave		Half leno	Half leno
Standard width		100 or 110 cm / individual value	100 cm / individual value
Roll length		50 m / individual value	25 m / individual value
Treated fabric thickness		0.52 mm / informative value	0.9 mm / informative value
Loom state fabric weight		160 g/m2 / informative value	275 g/m2 / informative value
Treated fabric weight		160 g/m2 / informative value	330 g/m2 / informative value
Combustible matter content		20% of mass / individual value	20% of mass / individual value
Treatment type		alkali resistant without emollient, obstructing yarn drifting	alkali resistant without emollient, obstructing yarn drifting
Square dimension	**Wrap** **Weft**	4mm*4mm / informative value 4mm*4mm / informative value	6mm*6mm / informative value 6mm*6mm / informative value

(i) Other dimension on request

Tensile strength (TS) and elongation

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

	Standard mesh		
	Tensile strength		Elongation
Disposition method	Nominal value	Individual value	Average value
Standard condition	2000/2200	1900/1900	3.8/3.8
5% NaOH solution	1300/1400	1200/1200	3.5/3.5
Fast test (6 hours)	1500/1700	1250/1250	3.5/3.5

	High impact resistant mesh		
	Tensile strength		Elongation
Disposition method	Nominal value	Individual value	Average value
Standard condition	4000/4500	3800/3500	4.5/4.5
5% NaOH solution	2000/2250	1900/1750	3.5/3.5
Fast test (6 hours)	2400/2600	2300/2300	4.0/4.0

TOLERANCES

- Setting: ± 5% in warp and weft
- Width: ± 1 %
- Length: - 0 % + 2%
- LOI: ± 4 %

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.

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°C.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

NOTE

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