

InsuCrete Reinforcing Mesh

Glass Fiber Reinforcing Mesh for EIFS



DESCRIPTION • A premium quality, alkali-resistant, specially woven glass fiber mesh for protecting insulation boards against impact. The mesh is embedded in CCC's *FoamFix XT* in a single layer or multiple layers for additional protection.

USES • The fiberglass mesh is embedded in CCC's base coat, *FoamFix XT*, to provide impact resistance strength, continuity of surface, and crack resistance. The level of impact resistance strength depends on the weight of the fiber mesh and the number of layers. The following recommendations serve as a general guideline:

- *Panzer**: A 340 g (11 oz.) mesh recommended for all ground floor and ultra high traffic area applications where the maximum impact resistance is required.
- *Intermediate**: A 200 g (6.43 oz.) mesh recommended for heavy traffic area applications where high levels of impact resistance are required.
- *Standard*: A 160 g (5.6 oz.) mesh recommended where only low to medium levels of impact might occur but no abuse from ladders, machines, or window washing equipment is expected.
- *Detail Roll*: A 66 g (2 oz.) mesh for special shapes and irregular detail work.
- *Edge Profile w/ mesh**: A 2.5 m, 90° PVC edge profile with attached mesh for additional impact resistance and clean, crisp outside corners.

* Must be installed under *Standard Mesh*.

COVERAGE • Standard reinforcing mesh must be over-lapped a minimum of 10 mm at all edges. The edges of *Panzer* and *Intermediate Mesh* must be abutted tightly. It is highly recommended to apply an additional layer of *Standard Mesh* over the entire area where *Panzer* or *Intermediate Mesh* has been installed. Coverage depends on the size of the mesh roll and wastage; please consult below table for mesh roll sizes.

APPLICATION • All insulation board irregularities greater than 1.6 mm must be sanded flat prior to base coat/reinforcing fabric application. Apply the *FoamFix XT* base coat to the entire surface of the insulation board. Fully embed the reinforcing fabric in the wet base coat by troweling over the mesh from the center to the edge of the reinforcing fabric in order to eliminate any wrinkles. Insure that the reinforcing fabric is continuous at all corners and lap or butt in accordance with CCC's recommendations outlined above for particular mesh sizes. The base coat thickness must be sufficient to just fully embed the mesh – thickening the base coat is not recommended. For best results apply the base coat in two applications, with the second one applied after the mesh has been embedded in the first base coat application. Please refer to CCC's application instructions and recommendations for further details.

When installing *Panzer* or *Intermediate Mesh*, apply the base coat to the entire surface of the insulation board at a uniform thickness not exceeding 3 mm. Embed the mesh into the wet mixture as outlined above until the mesh is fully covered by the base coat. Insure that edges of adjacent mesh pieces are tightly butted but not overlapped. Allow curing for a minimum of 24 hours and examine for projections or irregularities; correct as necessary to produce a flat surface. Install a layer of *Standard Mesh*.

RECOMMENDATIONS

- All areas requiring an impact resistance higher than standard, as defined by EIMA Standard 101.86 must be detailed in the drawings.
- All edges of the insulation board at window openings and at top and bottom of wall must be U-wrapped with reinforcing mesh embedded into the base coat before adhering to substrate.
- For easier application, place the fiber mesh such that its inside curl is facing the wall.
- Do not overlap *Standard Mesh* over the same location where an abutment of *Panzer* or *Intermediate Mesh* might occur.

Description	Wt. (g/m ²)	Mesh Size (mm)	Width of Roll (cm)	Length of Roll (m)	Tensile Strength - DIN ISO 4606 (N/cm)		Tensile Strength - Post Alkali 28d Soak (N/cm)	
					Warp	Weft	Warp	Weft
<i>InsuCrete Detail Mesh</i>	66	2 X 2	25	50	160	180	n/a	n/a
<i>InsuCrete Standard Mesh</i>	160	3 X 3.5	100	50	439	441	241	246
<i>InsuCrete Intermediate Mesh</i>	200	5 X 5	100	50	500	500	260	260
<i>InsuCrete Panzer Mesh</i>	340	6 X 5	112	25	660	720	n/a	n/a

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