

UNI-TEX FABRIC

GLASS FIBER REINFORCEMENT MESH

Technical Data & Application Instructions

PRODUCT DESCRIPTION

UNI-TEX FABRIC is a specially woven, treated glass fiber mesh that is resin coated to be compatible with Wall-Bond 70 and Wall-Bond 90. UNI-TEX FABRIC is used to provide crack and impact resistance to the UNI-TEX EIF System.

BASIC USES

UNI-TEX FABRIC is embedded into the UNI-TEX Basecoat to provide crack and impact resistance as well as surface continuity. UNI-TEX FABRIC is offered in several different mesh types, each with a specific use:

Detail Mesh	4.5 oz. per sq. yd. – Pliable mesh available in 9½" wide rolls. Detail Mesh is used for backwrapping, special shapes and detail work.
Standard Mesh	4.5 oz. per sq. yd. – Used on its own throughout the field in areas where no abuse from people, equipment, etc. is anticipated, or over Strong or Ultra Mesh in high use areas.
Medium Mesh	12.5 oz. per sq. yd. – Used in light traffic areas with no direct abuse such as beside walkways, balconies, etc.
Strong Mesh	15 oz. per sq. yd. – Used in traffic areas subjected to high use.
Ultra Mesh	20 to 22 oz. per sq. yd. – Used in high traffic areas subjected to direct abuse.

Strong Mesh and **Ultra Mesh** must be used as part of a two-layer system with **Standard Mesh** or **Medium Mesh** applied over the top of the heavier mesh.

COVERAGE

All reinforcing mesh (except **Strong Mesh** and **Ultra Mesh**) must be overlapped a minimum of 2½" at all edges. Adjoining pieces of **Strong Mesh** and **Ultra Mesh** must be abutted tightly, followed by a layer of **Standard Mesh** or **Medium Mesh** applied over the entire surface and lapped at the edges. Typical coverage rates are as follows:

<u>MESH TYPE</u>	<u>ROLL SIZE</u>	<u>APPROXIMATE COVERAGE</u>
Detail Mesh	9½" wide x 150 lineal feet	119 sq. ft.
Standard Mesh	38" wide x 150 lineal feet	475 sq. ft.
Medium Mesh	38" wide x 75 lineal feet	238 sq. ft.
Strong Mesh	38" wide x 75 lineal feet	238 sq. ft.
Ultra Mesh	38" wide x 75 lineal feet	238 sq. ft.

Note: Standard Mesh and Ultra Mesh are also available in 48" wide roles by special order.

For estimating purposes, add an additional 10% to the wall area to account for overlaps and waste.

PROPERTIES

All UNI-TEX FABRIC conforms to ASTM D 76, ASTM D 579, ASTM D 5035 and MIL -Y-1140.

APPLICATION

Air and substrate temperature for application of UNI-TEX FABRIC must be 40°F (4°C) or higher and must remain at 40°F (4°C) or higher for a minimum of 24 hours.

Temporary protection must be provided at all times until the EIF System, including flashing, caps and sealant is complete. Provide protection from any severe climatic conditions and other potential damage.

All imperfections in the insulation board must be rasped flush. Fill any gaps in the board with slivers of insulation. Apply **Wall-Bond 70** or **Wall-Bond 90** Basecoat over the entire surface of the insulation board to a thickness greater than that of the UNI-TEX FABRIC being used (approximately 1/16" for **Standard Mesh** and 3/32" for **Ultra Mesh**). Immediately embed the UNI-TEX FABRIC into the wet basecoat and smooth from the center to the edge to avoid wrinkles. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance with the UNI-TEX specifications. The weave of the mesh shall not be visible, although reflection of a slight mesh pattern is acceptable.

When applying **Strong Mesh** or **Ultra Mesh**, tightly abut all edges and let cure for a minimum of 24 hours. Grind any imperfections with the edge of a stainless steel trowel or grinding stone, taking care not to damage the UNI-TEX FABRIC. Once this layer has dried, apply a layer of **Standard Mesh** or **Medium Mesh** as per the directions in the preceding paragraph.

SPECIAL CONDITIONS AND RECOMMENDATIONS

Use Detail Mesh to back-wrap foam at all terminations of the insulation board. This includes the top and bottom of all walls and at all openings, such as doors and windows.

UNI-TEX FABRIC may be wrapped around the face of the insulation board and onto a foundation or the studs of an opening. All exposed edges of the insulation board must be wrapped with UNI-TEX FABRIC and embedded in either **Wall-Bond 70** or **Wall-Bond 90** Basecoat.

In a two layer UNI-TEX FABRIC system, the laps of the second layer should not coincide with the abutted edges of the first layer. The overall minimum thickness of **Wall-Bond 70** or **Wall-Bond 90** Basecoat and UNI-TEX FABRIC should be a nominal 1/16" when dry.

PERFORMANCE PROPERTIES

Impact Resistance in Accordance with EIMA Standard 101.86

EIMA Classification	Impact Range J (in-lbs)	Reinforcing Mesh (oz/sq yd)	Test Results J (in-lbs)
Standard	3-6 (25-49)	Standard (4.5)	4 (36)
High	10-17 (90-150)	Medium (12.5)	12 (108)
Ultra High	>17 (>150)	Strong (15)	18 (162)
Ultra High	>17 (>150)	Ultra (20)	40 (352)



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