Master Wall Inc.®
Building a Culture of Excellence

PRODUCT DATA

AGGRE-FLEX MESH

Master Wall® Aggre-flex Mesh is a specially woven, glass fiber mesh with AR Coating (Alkali Resistive). Embedded in Master Wall® base coats, Aggre-flex Mesh is the key impact and tensile component in Master Wall® EIFS and wall systems. It can also improve crack resistance in Master Wall® Cemplaster Fiberstucco Systems, traditional stucco or foam shapes.

FEATURES & BENEFITS

- Detail Mesh – super soft, pliable mesh used for backwrapping, special shapes, and detail work.
- Standard Mesh–Standard weight mesh for wall areas and general detailing. Industry leading impact resistance.
- Hi-Tech Mesh–Upgraded heavier weight version of Standard Mesh with good workability.
- Medium Mesh–Extra tough heavy weight mesh. Best for areas of light traffic.
- Strong Mesh–Great high traffic mesh where impacts are a consideration.
- Ultra Mesh–Best where abuse is expected. Ultra heavy for high traffic areas.
- Strong Mesh and Ultra Mesh must be used in a two-layer system.
- Corner Roll– For highly impact resistant corners. Apply under Standard or higher mesh.

MESH WEIGHT AND COVERAGE

Meshes	Mesh Weight	Roll Size	Coverage*
Detail	4.5 oz/sy (113 g/sm)	9.5“ x 150’ (96.5 cm x 45.7 m)	119 sf (11 sm)
Standard - 38	4.6 oz/sy (156 g/sm)	38“ x 150’ (96.5 cm x 45.7 m)	475 sf (44.1 sm)
Standard - 48	4.6 oz/sy (156 g/sm)	48“ x 150’ (122 cm x 45.7 m)	600 sf (55.7 sm)
Hi-Tech	6.0 oz/sy (202 g/sm)	48” x 150’ (122 cm x 45.7 m)	600 sf (55.7 sm)
Medium	11.0 oz/sy (370 g/sm)	38” x 75’ (96.5 cm x 22.8 m)	238 sf (22.1 sm)
Strong	15.4 oz/sy (508 g/sm)	38” x 75’ (96.5 cm x 22.8 m)	238 sf (22.1 sm)
Ultra	21.0 oz/sy (700 g/sm)	48” x 75’ (122 cm x 22.8 m)	300 sf (22.1 sm)
Corner Roll	9.5 oz/sy (238 g/sm)	9.5” x 150’ (96.5 cm x 45.7 m)	150 lf (45.7 m)

*Allow about 10% waste for lapping all meshes (Strong, Ultra and Corner Roll Meshes are butted). Coverage will vary.

PRODUCT TEST STANDARDS

Meets requirements of ASTM E2098 / E2098M, ASTM E2568, ASTM E2486. Weave: Leno.

Mesh	Impact Resistance Rating per ASTM E2486 (formerly EIMA 101.68)	Mesh Tensile Strength (Warp/Fill), ASTM D5035
Standard Mesh	Medium Impact Resistance 50-89 in-lbs (5.7-10.1 J)	150/180
Hi Tech Mesh	Medium Impact Resistance 50-89 in-lbs (5.7-10.1 J)	170/245
Medium Mesh	Medium Impact Resistance 50-89 in-lbs (5.7-10.1 J)	250/350
Medium & Standard	High Impact Resistance 90-150 in-lbs (10.2-17.0 J)	250/350
Strong & Standard	Ultra High Impact Resistance 150+ in-lbs (over 17.0 J)	640/645
Ultra & Standard	Ultra High Impact Resistance 150+ in-lbs (over 17.0 J)	885/820
Corner Roll	N/A	274/274

APPLICATION PROCEDURE

Job Conditions - Air and substrate temperature for embedment of the Reinforcing Mesh must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection at all times until the wall system, including flashings, caps, and sealants, is completed to provide protection from climatic conditions and other potential damage.

Application - All imperfections in the insulation board must be rasped flush and any gaps in the insulation board must be filled with slivers of insulation. Apply the base coat over the entire surface of the insulation board in a thickness greater than that of the Reinforcing Mesh being used, approximately 1/16" (1.6 mm) for Standard Mesh and 3/32" (2.4 mm) for Ultra Mesh. Immediately embed the Aggre-flex Mesh into the wet base coat and smooth from the center to the edge to avoid wrinkles. Lap all meshes except Strong Mesh and Ultra Mesh a minimum of 2-1/2" (63.5 mm) on all sides. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance to Master Wall specifications. The color of the mesh shall not be visible but a slight mesh pattern may be visible. The overall minimum thickness of the base coat should be a nominal 1/16" (1.6 mm) when dry.

When applying Strong, Ultra or Corner Roll Mesh, tightly abut all edges and let cure for a minimum of 12 hours. Grind any imperfections with the edge of a stainless steel trowel or grinding stone, taking care not to damage the Aggre-flex Mesh, and apply a layer of Standard Mesh, Hi-Tech Mesh, or Medium Mesh as per the directions in the preceding paragraph. To minimize wall variations, the lap of the second mesh layer should not coincide with the abutment of the first layer.

Special Conditions and Recommendations

Apply wrapping, backwrapping mesh or other approved accessory at all terminations of the insulation board. This includes at the top and bottom of all walls and at all openings.

Aggre-flex Mesh may be wrapped from the face of the insulation board onto a foundation or onto the studs of an opening on barrier wall systems. In all cases, the exposed edges of the insulation board must be wrapped with Aggre-flex Mesh and base coat or an approved accessory trim.

Health & Safety

WARNING!

Causes eye and skin irritation.

Precautionary Statement Wash hands thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Consult the Safety Data Sheet (SDS) in the Products section at masterwall.com for further health and safety information.

LIMITED WARRANTY

This product is subject to a written limited material or system warranty. Obtain a warranty from the Tech Support tab of our website. Refer to Specifications for more complete information on proper use and handling of this product.

Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Master Wall Inc.® products and is presented in good faith. Master Wall Inc.® assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents, such as specifications and details. Contact Master Wall Inc.® for the most current product information. ©2026 Master Wall Inc.®

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