

# Reinforcing Mesh

Balanced, open-weave glass fiber reinforcing mesh

**COLOR**

White

**SHELF LIFE**

Two years when unopened and stored as directed.

**TRANSPORTATION AND STORAGE INFORMATION**

1. Protect Senergy Reinforcing Mesh during transportation and installation to avoid physical damage.
2. Store Senergy Reinforcing Mesh in a cool, dry place protected from exposure to moisture.
3. Apply in temperatures of 40 °F (4 °C) and higher.

**PACKAGING**

FlexGuard 4 - 4 rolls/case, 15 cases/pallet

Intermediate - 4 rolls/case, 12 cases/pallet

Strong 15 - 2 rolls/case, 18 cases/pallet

Hi-Impact 20 - 1 roll/case, 20 cases/pallet

**ADVANTAGES**

Alkali resistance, compatibility with all Senergy Base Coats; maintains tensile strength and flexibility for long-term durability; all glass fiber reinforcing mesh complies with ASTM E2098.

**DESCRIPTION**

Balanced, open-weave glass fiber reinforcing mesh, twisted multi-end strands treated for compatibility with Senergy Base Coats. A variety of reinforcing mesh types are available to meet the different requirements of impact resistance at specific wall locations. Senergy Self-Adhering Mesh tape, in addition to having the same properties as described above, is coated with a pressure sensitive adhesive.

**USES**

1. For use with all Senergy EIFS Wall Systems, Senergy Surfacing Systems and Senergy Cement-Board Stucco Systems and for EPS shapes.
2. Senergy Self-Adhering Mesh Tape for use with base coat as reinforcement over acceptable sheathing joints, rough openings and at terminations with Senergy Cement Board Systems only.

**Coverage**

PRODUCT	WEIGHT +/- 5%	ROLL WIDTH	ROLL LENGTH	COVERAGE
Flexguard 4	4.2 oz	38"	150'	475 ft <sup>2</sup> - 44.1 m <sup>2</sup>
		48"	150'	600 ft <sup>2</sup> - 55.8 m <sup>2</sup>
		72"	150'	900 ft <sup>2</sup> - 83.6 m <sup>2</sup>
		96"	150'	1200 ft <sup>2</sup> - 111.51m <sup>2</sup>
Intermediate 6	5.6 oz	38"	150'	475 ft <sup>2</sup> - 44.1 m <sup>2</sup>
Intermediate 12	11 oz	38"	75'	237.5 ft <sup>2</sup> - 22.1 m <sup>2</sup>
Strong 15	15 oz	38"	75'	237.5 ft <sup>2</sup> - 22.1 m <sup>2</sup>
Hi-Impact 20	20 oz	39"	75'	243.75 ft <sup>2</sup> - 22.6 m <sup>2</sup>
Corner Mesh	9 oz	9"	150'	112.5 ft <sup>2</sup> - 10.47 m <sup>2</sup>
Self-Adhering Mesh Tape	5 oz	4"	150'	50 ft <sup>2</sup> - 4.66 m <sup>2</sup>
		9"	150'	112.5 ft <sup>2</sup> - 10.47 m <sup>2</sup>

TECHNICAL DATA

**Testing**

TEST	METHOD	CRITERIA	RESULT
Alkali Resistance of Reinforcing Mesh	ASTM E 2098	Greater than 120 pli (21 dN/CM) retained tensile strength	Pass (all mesh)
Dade County Impact Test	Protocol 201	Large & Small Missile	Passed with various wall assemblies
Flexguard 4 – Impact Resistance	ASTM E2486 (formerly EIMA 101.86)	25-49 inch-lbs. (2.8-5.6 j)	Pass
Intermediate 6 – Impact Resistance	ASTM E2486 (formerly EIMA 101.86)	25-49 inch-lbs. (2.8-5.6 j)	Pass
Intermediate 12 – Impact Resistance	ASTM E2486 (formerly EIMA 101.86)	50-89 inch-lbs. (5.7-10.1 j)	Pass
Intermediate 12 & Flexguard 4 – Impact Resistance	ASTM E2486 (formerly EIMA 101.86)	90-150 inch-lbs. (10.2-17.0 j)	Pass
Strong 15 & Flexguard 4 – Impact Resistance	ASTM E2486 (formerly EIMA 101.86)	150 inch-lbs. (17 j)	Pass
Hi-Impact 20 & Flexguard 4 – Impact Resistance	ASTM E2486 (formerly EIMA 101.86)	150 inch-lbs. (17 j)	Pass

**FLEXGUARD 4 AND INTERMEDIATE 6**

A single-layer application of provides reinforcement for wall system areas not expected to receive abnormal abuse or traffic. Used for rigid insulation back-wrapping.

**INTERMEDIATE 12**

A versatile, intermediate weight mesh. While capable of being used for a complete single-layer application, Intermediate 12 is often used in conjunction with Flexguard 4 or Intermediate 6 to offer added impact resistance at specific areas such as around doors or walkways.

**STRONG 15**

A medium/heavy-weight mesh intended for areas expected to receive traffic and abuse. It requires a continuous and lapped overlay of Flexguard 4 or Intermediate 6.

**HI-IMPACT 20**

A heavy-weight mesh intended for areas expected to receive a high degree of traffic and abuse. It requires a continuous and lapped overlay of Flexguard 4 or Intermediate 6.

**CORNER MESH**

An intermediate-weight mesh, for use at exterior corners when added impact resistance or clean, crisp corners are desired. Mesh is pre-marked for easy bending. An overlay of Flexguard 4, Intermediate 6 or 12 is required.

**SELF-ADHERING MESH TAPE**

A standard weight mesh coated with a pressure sensitive adhesive for use with base coat as reinforcement over sheathing joints, rough openings and at terminations. For use with Senergy Cement Board Stucco Systems only.

**APPLICATION**

**CORNER MESH:**

Install Corner Mesh at exterior corners. Apply mixed Base Coat to insulation board at outside corners. Immediately embed the Corner Mesh into the Base Coat by troweling from the corner; butt edges and avoid wrinkles. After Base Coat is dry and hard, apply a layer of Flexguard 4, Intermediate 6 or 12 Reinforcing Mesh over the entire surface of the Corner Mesh.

**FLEXGUARD 4, INTERMEDIATE 6 AND 12 REINFORCING MESHES:**

Fully embed clean mesh into wet base coat and smooth with a trowel to achieve mesh embedment with no mesh color visible. Double layers of Flexguard 4 and Intermediate 6 mesh must be applied at all inside and outside corners. Window corners also require secondary reinforcement as per details. Lap Reinforcing Mesh 2 1/2" (64 mm) minimum at edges.

**STRONG 15 AND HI-IMPACT 20 REINFORCING MESHES:**

Embed Strong 15 or Hi-Impact 20 Reinforcing Mesh in wet base coat by troweling from the center to the edges. Butt Strong 15 or Hi-Impact 20 Reinforcing Mesh at all adjoining edges, do not use to backwrap or bend around corners. Butt Strong 15 or Hi-Impact 20 Reinforcing Mesh at adjoining edges of Corner Mesh. Ensure reinforcing mesh is free of wrinkles and embedded in base coat so that no reinforcing mesh color is visible. After base coat with embedded Reinforcing Mesh is dry and hard (normally 8 to 10 hours), apply a layer of Flexguard 4 or Intermediate 6 Reinforcing Mesh over the entire surface to achieve total nominal base coat/reinforcing mesh thickness of 3/32" (2.4 mm).

**SELF-ADHERING MESH TAPE:**

Self-Adhering Mesh Tape may be applied direct from the roll. Center the Self-Adhering Mesh Tape over all cement board joints and terminations and firmly press while unrolling. Ensure it is continuous, void of wrinkles. Overlap mesh tape a minimum 2 1/2" (65 mm). Apply mixed Senergy base coat to surface of Self-Adhering Mesh Tape by troweling from the center to the edges. Allow base coat and Self-Adhering Mesh Tape to dry prior to application of Senergy reinforcing mesh and base coat.

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#### TECHNICAL SUPPORT

Consult Master Builders Solutions Technical Services Department at +1 (800) 589-1336 for specific recommendations concerning all other applications. Consult the Wall Systems website at [senergy.master-builders-solutions.com/en](http://senergy.master-builders-solutions.com/en), for additional information about products and systems and for updated literature.

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#### HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting [senergy.master-builders-solutions.com/en](http://senergy.master-builders-solutions.com/en), e-mailing your request to [mbsbcst@mbcc-group.com](mailto:mbsbcst@mbcc-group.com) or calling +1 (800) 433-9517. Use only as directed.

**IN CASE OF EMERGENCY: Call CHEMTEL +1 (800) 255-3924 or if outside the US or Canada, +1 (813) 248-0585.**

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