

# PRODUCT DATA SHEET

## Reinforcing Mesh

*Balanced, open-weave glass fiber reinforcing mesh*

### COLOR

White

### PACKAGING

#### Senergy Flexguard 4

4 rolls/case

15 cases/pallet

#### SikaWall-9005 Intermediate 6 Mesh

4 rolls/case

12 cases/pallet

#### SikaWall-9010 Strong 15 Mesh

2 rolls/case

18 cases/pallet

#### SikaWall-9015 Ultra HI 20 Mesh

1 roll/case

20 cases/pallet

### SHELF LIFE

Two (2) years when unopened and stored as directed.

### 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. SikaWall®-9030 Self Adhered 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 EPS shapes.
2. SikaWall-9030 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.

### 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.

### Coverage

PRODUCT	WEIGHT	ROLL WIDTH	ROLL LENGTH	COVERAGE	
Senergy Flexguard 4 Mesh 38	4.2 oz.	38"	150'	475 ft <sup>2</sup>	44.1 m <sup>2</sup>
Senergy Flexguard 4 Mesh 48	4.2 oz.	48"	150'	600 ft <sup>2</sup>	83.6 m <sup>2</sup>
Senergy Flexguard 4 Mesh 72	4.2 oz.	72"	150'	900 ft <sup>2</sup>	11 m <sup>2</sup>
SikaWall-9020 Detail Backwrap Mesh	4.2 oz.	9" Starter Roll	150'	112.5 sf	
SikaWall-9005 Intermediate 6 Mesh	5.6 oz.	38"	150'	475 ft <sup>2</sup>	44.1 m <sup>2</sup>
SikaWall-9000 Intermediate 12 Mesh	11 oz.	38"	75'	237.5 ft <sup>2</sup>	22.1 m <sup>2</sup>
SikaWall-9010 Strong 15 Mesh	15 oz.	38"	75'	237.5 ft <sup>2</sup>	22.1 m <sup>2</sup>
SikaWall-9015 Ultra HI 20 Mesh	20 oz.	39"	75'	243.75 ft <sup>2</sup>	22.6 m <sup>2</sup>
SikaWall-90 Corner Mesh	9 oz.	9"	150'	112.5 ft <sup>2</sup>	10.47 m <sup>2</sup>
SikaWall-9030 Self Adhesive Mesh 4	5 oz.	4"	150'	50 ft <sup>2</sup>	4.66 m <sup>2</sup>
SikaWall-9030 Self Adhesive Mesh 9	5 oz.	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
Ultra Hi 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.

**ULTRA HI 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 ULTRA HI 20 REINFORCING MESHES:**

Embed Strong 15 or Ultra HI 20 Reinforcing Mesh in wet base coat by troweling from the center to the edges. Butt Strong 15 or Ultra HI 20 Reinforcing Mesh at all adjoining edges, do not use to backwrap or bend around corners. Butt Strong 15 or Ultra HI 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 or SikaWall reinforcing mesh and base coat. Apply in temperatures of 40°F (4°C) and higher.

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#### SHIPPING AND STORAGE

1. Protect products during transportation and installation to avoid physical damage.
2. Store products in a cool, dry place protected from exposure to moisture.

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#### TECHNICAL SUPPORT

Consult Sika Facades Technical Services Department at **+1 (800) 589-1336** for specific recommendations concerning all other applications. Consult the Sika Facades website at [usa.sika.com/senergy](http://usa.sika.com/senergy), 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 [usa.sika.com/senergy](http://usa.sika.com/senergy), 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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#### LIMITED WARRANTY NOTICE

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com/senergy](http://usa.sika.com/senergy) or by calling our Technical Service Department at **+1 (800) 589-1336**.

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