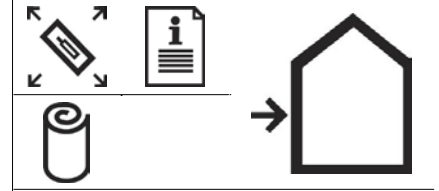


# Sto Reinforcing Meshes

81921 Sto Corner Mat  
80985 Sto 6 oz. Mesh



*Sto Reinforcing Meshes are specially designed coated glass fiber fabrics used to provide reinforcement and impact resistance. A variety of meshes are provided for design flexibility, maximum performance, and to facilitate application.*

## Technical Data

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS	
<b>Tensile Strength</b>	ASTM D-5035	Product	WARP (PLI)	WEFT (PLI)
		81921 Corner Mat	N/A	500
		80985 6 oz. Mesh	140	225
<b>Strength-Post Alkaline Soak</b>	EIMA 105.01	Product	Results	
		81921 Corner Mat	N/A	
		80985 6 oz. Mesh	N/A	
<b>Product</b>	<b>NOMINAL Weight/YD<sup>2</sup>. +/- 5 %</b>	<b>Width of Roll</b>	<b>Length of Roll</b>	
81921 Sto Corner Mat	9 oz.	9.5" (24 cm)	150' (45.7 m)	
80985 6 oz. Mesh	6 oz.	38" (0.97 m)	150' (45.7 m)	

**Coverage per Roll**  
81921 Sto Corner Mat: 118 ft<sup>2</sup> (11 m<sup>2</sup>)  
80985 Sto 6 oz. Mesh: 475 ft<sup>2</sup> (44.1 m<sup>2</sup>)

**Packaging per carton**  
81921 Sto Corner Mat: 4 rolls  
80985 Sto 6 oz. Mesh: 4 rolls

**Shelf Life**  
2 years in original, unopened container when properly stored.

**Storage**  
Store in a dry area. Protect from direct sunlight. Store in cartons with cartons on the side (not upright).

Impact Resistance	Impact Classification (inch – lbs)
<b>StoTherm® EIFS with Sto Mesh</b>	Standard (25 – 49)
<b>With 2 layers Sto Mesh</b>	Medium (50 – 89)
<b>With Sto Intermediate Mesh</b>	High (90 – 150)
<b>With Sto Armor Mat and Sto Mesh</b>	Ultra High (over 150)

Features	Benefits
<b>1 Flexible</b>	Easily wrapped at corners; provides crack resistance
<b>2 Trimmed Edges</b>	Minimizes building on overlapped seams
<b>3 Coated Glass Fiber</b>	Durable, long-lasting; provides impact resistance
<b>4 Variety of Weights</b>	Meets a variety of requirements

## Sto Reinforcing Meshes

### Where to Use

**81921 Sto Corner Mat:** A pre-creased, heavy-duty reinforcing fabric, specially designed for use for enhanced impact protection plus crisp lines and ease of application at both inside and outside corners in StoTherm wall claddings.

**80985 Sto 6 oz. Mesh:** for use as standard reinforcing fabric in StoTherm wall claddings. Exceeds standard impact resistance.

### Surface Preparation

Inspect the insulation board surface for planeness, damage or deterioration due to

weather or abuse, and repair prior to application of reinforcing mesh. Rasp the insulation board surface.

### Application

**80985 Sto 6 oz. Mesh:** Apply a layer of Sto base coat over previously rasped Sto Insulation Board (or, over cement board sheathing for StoQuik® Systems). Work horizontally or vertically in full width strips and fully embed mesh into wet base coat by troweling from center to the edges of the mesh. Avoid wrinkles in the mesh and smooth the base coat to eliminate trowel marks. Double wrap mesh at all corners and overlap not less than 2½" (64 mm) at mesh joints.

**81921 Sto Corner Mat:** Refer to appropriate StoTherm wall claddings specification.

### Limitations

Sto Reinforcing Meshes should only be used in accordance with appropriate StoTherm Insulated Wall Cladding Specification or other published recommendation.

### Health And Safety

#### Health Precautions

Contains fiberglass. As with any chemical construction product, exercise care when handling.

#### Safety Precautions

Use adequate ventilation. Safety goggles and protective gloves are recommended. Remove contaminated clothing immediately.

#### First Aid

**SKIN CONTACT:** Wash thoroughly with soap and water.

**EYE CONTACT:** Flush immediately with water for 10-15 minutes and contact a physician.

**RESPIRATORY PROBLEMS:** Remove affected person to fresh air immediately and contact a physician.

**HYGIENE:** Wash hands immediately after use. Wash clothing before re-use.

#### Spills

Collect and dispose of in accordance to local, state or federal regulations.

#### Disposal

Dispose of in accordance with local, state or federal regulations.

#### Warning

KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Safety Data Sheet (SDS) on [www.stocorp.com](http://www.stocorp.com) for further health and safety information.

#### LIMITED WARRANTY

This product is subject to a written limited warranty which can be obtained free of charge from Sto Corp.

*Refer to Sto Specifications for more complete information on proper use and handling of this product.*

**Sto Corp.**  
3800 Camp Creek Parkway  
Building 1400, Suite 120  
Atlanta, GA 30331

Tel: 404-346-3666  
Toll Free: 1-800-221-2397  
Fax: 404 346-3119

[www.stocorp.com](http://www.stocorp.com)

**S155-80985, 81921**  
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### Attention

This product is intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. It should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, or for other construction activities beyond Sto's control. Improper use of this product or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to this product, and to the structure of the building or its components. **STO CORP. DISCLAIMS ALL WARRANTIES EXPRESSED OR IMPLIED EXCEPT FOR EXPLICIT LIMITED WRITTEN WARRANTIES ISSUED TO AND ACCEPTED BY BUILDING OWNERS IN ACCORDANCE WITH STO'S WARRANTY PROGRAMS WHICH ARE SUBJECT TO CHANGE FROM TIME TO TIME.** For the fullest, most current information on proper application, clean-up, mixing and other specifications and warranties, cautions and disclaimers, please refer to the Sto Corp. website, [www.stocorp.com](http://www.stocorp.com).