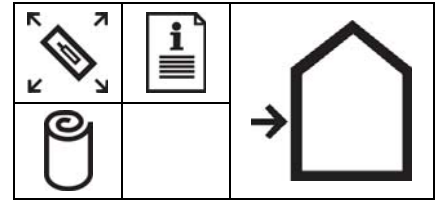


# Sto Armor Mat Mesh

80921 Sto Armor Mat Mesh



## Technical Data

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS	
Tensile Strength	ASTM D-5035	Product	WARP (PLI)	WEFT (PLI)
		Sto Armor Mat	350	540
Strength-Post Alkaline Soak	EIMA 105.01	Sto Armor Mat	N/A	

*Sto Armor Mat Mesh is a specially designed coated glass fiber fabric used to provide reinforcement and impact resistance in Sto Wall Claddings, including StoTherm NExT. A variety of meshes are provided for design flexibility, maximum performance, and to facilitate application.*

Product	NOMINAL Weight/YD <sup>2</sup> . +/- 5 %	Width of Roll	Length of Roll
Sto Armor Mat	15 oz.	38" (0.97 m)	75' (22.9 m)

**Coverage per Roll**  
Sto Armor Mat: 238 ft<sup>2</sup> (22.1 m<sup>2</sup>)

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

**Packaging per carton**  
Sto Armor Mat: 2 or 4 rolls

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

## Features Benefits

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

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

## Sto Armor Mat Mesh

### Where to Use

For use at ground floors and other areas of anticipated impact in StoTherm wall claddings.

Achieves ultra-high impact resistance when used beneath Sto Mesh.

### 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

Apply a layer of Sto base coat over previously rasped Sto Insulation Board. Work horizontally or vertically in full width strips and immediately embed Sto Armor Mat

into the wet base coat. Butt Sto Armor Mat tightly at seams. Apply Sto Mesh with appropriate base coat over the Sto Armor Mat application when dry.

### Limitations

- Sto Armor Mat Mesh 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 Material Safety Data Sheet 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)

**S155-80921**  
Revision Number: 02  
Date: 04/2010



#### 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 EXPRESS 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).