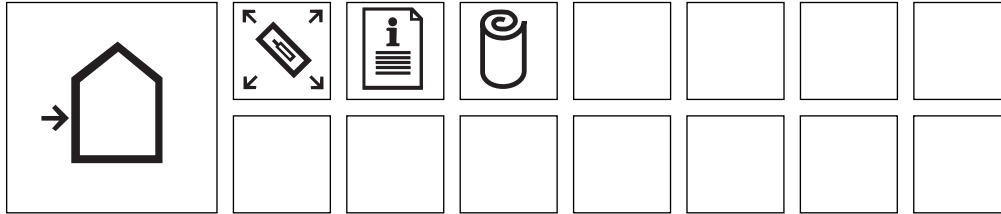


# Sto Reinforcing Meshes

920E

Division 7



## Technical Data

DESCRIPTION	NOMINAL				Tensile Strength (ASTM D-5035)		Strength-Post Alkaline Soak (EIMA 105.01)
	WT./SQ. YD. ± 5%	WIDTH OF ROLL	LENGTH OF ROLL	COVERAGE/ROLL (SF <sup>2</sup> M <sup>2</sup> )	WARP (PLI)	WEFT (PLI)	
<b>918 Sto Intermediate Mesh</b>	11 oz.	38" (0.97 m)	75' (22.9 m)	238 ft <sup>2</sup> (22.1 m <sup>2</sup> )	300	460	N/A
<b>919 Sto Detail Mesh</b>	4.2 oz.	9.5" (24 cm)	150' (45.7 m)	118 ft <sup>2</sup> (11 m <sup>2</sup> )	150	160	Pass
<b>920E Sto Mesh</b>	4.5 oz.	38" (0.97 m) 48" (1.22 m)	150' (45.7 m)	475 ft <sup>2</sup> (44.1 m <sup>2</sup> ) 600 ft <sup>2</sup> (55.7 m <sup>2</sup> )	150	160	Pass
<b>921 Sto Armor Mat</b>	15 oz.	38" (0.97 m)	75' (22.9 m)	238 ft <sup>2</sup> (22.1 m <sup>2</sup> )	350	540	N/A
<b>921A Sto Corner Mat</b>	9 oz.	9.5" (24 cm)	150' (45.7 m)	118 ft <sup>2</sup> (11 m <sup>2</sup> )	N/A	500	N/A
<b>922 Sto Armor Mat XX</b>	20 oz.	38" (0.97 m)	75' (22.9 m)	238 ft <sup>2</sup> (22.1 m <sup>2</sup> )	875	500	N/A
<b>985 Sto 6 oz. Mesh</b>	6.0 oz.	38" (0.97 m)	150' (45.7 m)	475 ft <sup>2</sup> (44.1 m <sup>2</sup> )	140	225	N/A

## Impact Resistance

System	Standard (25-49)	Medium (50-89)	High (90-150)	Impact classification (Inch-lbs.)* Ultra High (over 150)
<b>StoTherm® EIFS with Sto Mesh</b>	X			
<b>With 2 layers Sto Mesh</b>		X		
<b>With Sto Intermediate Mesh</b>			X	
<b>With Sto Armor Mat &amp; Sto Mesh</b>				X

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 available</b>	Meet a wide variety of requirements

918 Sto Intermediate Mesh  
919 Sto Detail Mesh  
920E Sto Mesh  
921 Sto Armor Mat  
921A Sto Corner Mat  
922 Sto Armor Mat XX  
985 Sto 6 oz. Mesh

*Sto Reinforcing Meshes are specially designed coated glass fiber fabrics used for impact resistance in StoTherm® Insulated Wall Claddings, including StoTherm® NExT. A variety of meshes are provided for design flexibility, maximum performance, and to facilitate application.*

### Packaging

Sto Intermediate Mesh: 4 rolls per carton.  
Sto Detail Mesh: 16 rolls per carton.  
Sto Mesh: 4 rolls per carton.  
Sto Armor Mat: 2 or 4 rolls per carton.  
Sto Corner Mat: 4 rolls per carton.  
Sto Armor Mat XX: 1 or 2 rolls per carton.  
Sto 6 oz. Mesh: 4 rolls per carton.

### 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 side (not upright).

# 920E Sto Reinforcing Meshes

## Where to Use

**Sto Intermediate Mesh:** for use as a reinforcing fabric in StoTherm® Wall Claddings. Achieves high impact resistance.

**Sto Detail Mesh:** lightweight, highly flexible reinforcing fabric specially designed for use to facilitate back-wrapping system terminations, into reveals and for intricate architectural details in StoTherm Wall Claddings, and to bridge sheathing joints and wrap rough openings in StoGuard™ applications.

**Sto Mesh:** for use as standard reinforcing fabric in StoTherm Wall Claddings. Achieves standard impact resistance.

**Sto Armor Mat:** 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.

**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.

**Sto Armor Mat XX:** Sto's heaviest reinforcing fabric, for use at ground floors and other areas of anticipated impact in StoTherm Wall Claddings. Exceeds ultra-high impact resistance when used beneath Sto Mesh.

**Sto 6 oz. Mesh:** for use as a 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

**Sto Intermediate Mesh/Sto Mesh/  
Sto 6 oz. Mesh:** Apply a layer of Sto base coat over previously rasped Sto Insulation Board. 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 2-1/2" (64 mm) at mesh joints.

**Sto Detail Mesh/Sto Corner Mat:** Refer to appropriate StoTherm Wall Claddings specification.

**Sto Armor Mat/Sto Armor Mat XX:** 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 Reinforcing Meshes should only be used in accordance with appropriate StoTherm

Insulated Wall Cladding Specification or other published recommendations.

## 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 reuse.

### Spills

Collect with suitable absorbent material such as cotton rags.

### 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 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., 3800 Camp Creek Parkway, Building 1400, Suite 120, Atlanta, GA 30331; Tel: 404-346-3666; Fax: 404-346-3119.

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

### 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).

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