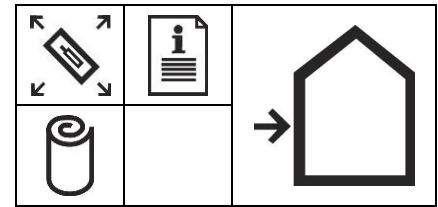


# Sto Reinforcing Meshes

80918 Sto Intermediate Mesh  
 80919 Sto Detail Mesh  
 80920/81920 Sto Mesh  
 80921 Sto Armor Mat  
 80922 Sto Armor Mat XX  
 80985 Sto Mesh 6 oz.



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

### Coverage per Roll

80918 Sto Intermediate Mesh:  
238 ft<sup>2</sup> (22.1 m<sup>2</sup>)  
 80919 Sto Detail Mesh:  
118 ft<sup>2</sup> (11 m<sup>2</sup>)  
 80920 Sto Mesh 38":  
475 ft<sup>2</sup> (44.1 m<sup>2</sup>)  
 81920 Sto Mesh 48":  
600 ft<sup>2</sup> (55.7 m<sup>2</sup>)  
 80921 Sto Armor Mat:  
238 ft<sup>2</sup> (22.1 m<sup>2</sup>)  
 80922 Sto Armor Mat XX:  
238 ft<sup>2</sup> (22.1 m<sup>2</sup>)  
 80985 Sto Mesh 6 oz.:  
475 ft<sup>2</sup> (44.1 m<sup>2</sup>)

### Packaging per carton

80918 Sto Intermediate Mesh: 4 rolls  
 80919 Sto Detail Mesh: 16 rolls  
 80920/81920 Sto Mesh: 4 rolls  
 80921 Sto Armor Mat: 2 rolls  
 80922 Sto Armor Mat XX: 1 roll  
 80985 Sto Mesh 6 oz.: 4 rolls

### Colour

Yellow: Sto Mesh, Sto Mesh 6 oz., Sto Intermediate Mesh, Sto Amor Mat, Sto Armor Matt XX  
 White: Sto Detail Mesh

### 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).

Technical Data							
REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS				
<b>Tensile Strength</b>	ASTM D-5035	Product	WARP (PLI) WEFT (PLI)				
		80918 Intermediate Mesh	300 460				
		80919 Detail Mesh	150 160				
		80920/81920 Mesh	150 160				
		80921 Armor Mat	350 540				
		80922 Armor Mat XX	875 500				
<b>Strength-Post Alkaline Soak</b>	EIMA 105.01	80918 Intermediate Mesh	N/A				
		80919 Detail Mesh	Pass				
		80920/81920 Mesh	Pass				
		80921 Armor Mat	N/A				
		80922 Armor Mat XX	N/A				
		80985 Sto Mesh 6 oz.	Pass				
<b>Product</b>	<b>NOMINAL Weight/YD<sup>2</sup>. +/- 5 %</b>	<b>Width of Roll</b>	<b>Length of Roll</b>				
				80918 Intermediate Mesh	11 oz.	38" (0.97 m)	75' (22.9 m)
				80919 Detail Mesh	4.2 oz.	9.5" (0.24 m)	150' (45.7 m)
				80920 Mesh	4.5 oz.	38" (0.97 m)	150' (45.7 m)
				81920 Mesh	4.5 oz.	48" (1.22 m)	150' (45.7 m)
				80921 Armor Mat	15 oz.	38" (0.97 m)	75' (22.9 m)
				80922 Armor Mat XX	20 oz.	38" (0.97 m)	75' (22.9 m)
				80985 Sto Mesh 6 oz.	6 oz.	38" (0.97 m)	150' (45.7 m)
				<b>Impact Resistance of StoTherm ci with Sto EPS Insulation Board</b>		<b>Impact Classification (Inch-lbs)</b>	(Joules)
<b>With 2 layers Sto Mesh</b>	Medium (50 – 89)	(5.65 – 10.1)					
<b>With one layer of Sto Mesh 6oz</b>	Medium (50 – 89)	(5.65 – 10.1)					
<b>With Sto Intermediate Mesh</b>	High (90 – 150)	(10.2 – 17)					
<b>With Sto Armor Mat and Sto Mesh</b>	Ultra High (over 150)	(over 17)					
<b>With Sto Armor Matt XX and Sto Mesh</b>	Ultra High (over 150)	(over 17)	(over 17)				

Features	Benefits
1 Flexible	Easily wrapped at corners
2 Trimmed Edges	Minimizes building on overlapped seams
3 Coated Glass Fiber	Durable, long-lasting; provides impact resistance
4 Distinct Yellow Colour and Sto logo	Quality control
5 Variety of Weights	Meets multiple impact resistance requirements

## Sto Reinforcing Meshes

### Where to Use

**80918 Sto Intermediate Mesh:** for use as a reinforcing fabric in StoTherm ci Systems. Achieves high impact resistance.

**80919 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 ci Systems, and to bridge sheathing joints and wrap rough openings in StoGuard® applications.

**80920/81920 Sto Mesh / 80985 Sto Mesh 6 oz.:** for use as standard reinforcing fabric in StoTherm® ci and StoQuik® Silver Systems,

and in Autoclaved Aerated Concrete (AAC) wall applications. Sto Mesh achieves Standard impact resistance and Sto Mesh 6oz achieves Medium Impact resistance in StoTherm ci Systems.

**80921 Sto Armor Mat:** for use at ground floors and other areas of anticipated impact or abuse in StoTherm ci Systems. Achieves ultra-high impact resistance when used beneath Sto Mesh.

**80922 Sto Armor Mat XX:** Sto's heaviest reinforcing fabric, for use at ground floors and other areas of anticipated impact or abuse in StoTherm ci Systems. Exceeds ultra-high impact resistance when used beneath Sto Mesh.

### Surface Preparation

All surfaces must be structurally sound, clean, dry, and free of frost and surface contamination such as dust, dirt, salts, grease, oils, efflorescence, mold, algae, mildew, form release, or any other condition that may affect adhesion.

**StoTherm ci Systems:** 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 entire insulation board surface to produce a smooth, level surface.

### Application

**80918 Sto Intermediate Mesh / 80920/81920 Sto Mesh / 80985 Sto Mesh 6 oz.:** Apply a layer of Sto base coat over previously rasped Sto Insulation Board, or, over Cement Board Stucco systems, or, over prepared Autoclaved Aerated Concrete (AAC) wall applications. 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 Sto Mesh at all corners and overlap not

less than 2½" (64mm) at mesh seams. Refer to appropriate StoTherm ci System specification for additional details on other Sto meshes.

**80919 Sto Detail Mesh:** Refer to appropriate StoTherm ci System specification.

**80921 Sto Armor Mat/80922 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 mesh into the wet base coat. Butt mesh tightly at seams. Apply Sto Mesh with appropriate base coat over the Sto Armor Mat or Sto Armor Mat XX application when dry. Refer to appropriate StoTherm ci System specification.

### Limitations

- Sto Reinforcing Meshes should only be used in accordance with appropriate StoTherm ci or other published Sto specifications.

### Health And Safety

#### Health Precautions

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

#### WARNING!

Causes eye irritation. Causes skin irritation  
Precautionary Statements: Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

#### FIRST AID MEASURES

Eye Contact: Flush with warm running water for 15 min. Do not rub. If irritation persists, consult a physician.

Skin Contact: Wash with mild soap and running water. Use a washcloth to help remove fibers. If irritation persists, consult a physician.

Inhalation: Glass fibers may cause mechanical irritation to the mouth, nose and throat. Remove the person to fresh air.

Ingestion: Unlikely entry route. If symptoms develop consult a physician.

#### 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.

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S155-80918, 80919,  
80920, 81920, 80921,  
80922, 80985  
Revision Number: A6.0  
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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 Canada LTD. website, [www.stocanada.com](http://www.stocanada.com).