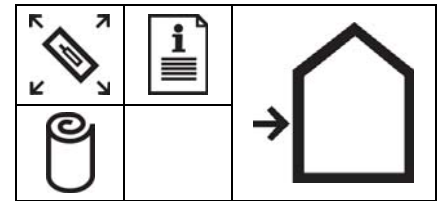


Sto Reinforcing Meshes

80918 Sto Intermediate Mesh 80919 Sto Detail Mesh
 80920/81920 Sto Mesh 80921 Sto Armor Mat
 81921 Sto Corner Mat 80922 Sto Armor Mat XX
 80985 Sto 6 oz. Mesh



Technical Data

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS	
Tensile Strength	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
		81921 Corner Mat	N/A	500
		80922 Armor Mat XX	875	500
		80985 6 oz. Mesh	140	225
Strength-Post Alkaline Soak	EIMA 105.01	80918 Intermediate Mesh	N/A	
		80919 Detail Mesh	Pass	
		80920/81920 Mesh	Pass	
		80921 Armor Mat	N/A	
		81921 Corner Mat	N/A	
		80922 Armor Mat XX	N/A	
		80985 6 oz. Mesh	N/A	

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.

Coverage per Roll

80918 Sto Intermediate Mesh: 238 ft² (22.1 m²)
 80919 Sto Detail Mesh: 118 ft² (11 m²)
 80920 Sto Mesh: 38" 475 ft² (44.1 m²)
 81920 Sto Mesh 48" 600 ft² (55.7 m²)
 80921 Sto Armor Mat: 238 ft² (22.1 m²)
 81921 Sto Corner Mat: 118 ft² (11 m²)
 80922 Sto Armor Mat XX: 238 ft² (22.1 m²)
 80985 Sto 6 oz. Mesh: 475 ft² (44.1 m²)

Product	NOMINAL Weight/YD ² . +/- 5 %	Width of Roll	Length of Roll
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 6 oz. Mesh	6 oz.	38" (0.97 m)	150' (45.7 m)

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 or 4 rolls
 81921 Sto Corner Mat: 4 rolls
 80922: Sto Armor Mat XX: 1 or 2 rolls
 80985 Sto 6 oz. Mesh: 4 rolls

Impact Resistance	Impact Classification (inch – lbs)
StoTherm® 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)

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).

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

Sto Reinforcing Meshes

Where to Use

80918 Sto Intermediate Mesh: for use as a reinforcing fabric in StoTherm wall claddings. 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 Wall claddings, and to bridge sheathing joints and wrap rough openings in StoGuard® applications.

80920/81920 Sto Mesh: for use as standard reinforcing fabric in StoTherm® and StoQuik® wall claddings. Achieves standard impact resistance.

80921 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.

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.

80922 Sto Armor Ma 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.

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

80918 Sto Intermediate Mesh/80920/81920 Sto Mesh/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.

80919 Sto Detail Mesh/81921 Sto Corner Mat: Refer to appropriate StoTherm wall claddings 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 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 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 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, 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 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.