## Sto Reinforcing Meshes

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

### Technical Data

<table>
<thead>
<tr>
<th>REPORT</th>
<th>TEST METHOD</th>
<th>TEST CRITERIA</th>
<th>TEST RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>ASTM D-5035</td>
<td>80918 Intermediate Mesh</td>
<td>300 / 460</td>
</tr>
<tr>
<td></td>
<td></td>
<td>80919 Detail Mesh</td>
<td>150 / 160</td>
</tr>
<tr>
<td></td>
<td></td>
<td>80920/81920 Mesh</td>
<td>150 / 160</td>
</tr>
<tr>
<td></td>
<td></td>
<td>80921 Armor Mat</td>
<td>350 / 540</td>
</tr>
<tr>
<td></td>
<td></td>
<td>80922 Armor Mat XX</td>
<td>875 / 500</td>
</tr>
<tr>
<td></td>
<td></td>
<td>80985 Sto Mesh 6 oz.</td>
<td>140 / 225</td>
</tr>
<tr>
<td>Strength-Post Alkaline Soak</td>
<td>EIMA 105.01</td>
<td>80918 Intermediate Mesh</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>80919 Detail Mesh</td>
<td>Pass</td>
</tr>
<tr>
<td></td>
<td></td>
<td>80920/81920 Mesh</td>
<td>Pass</td>
</tr>
<tr>
<td></td>
<td></td>
<td>80921 Armor Mat</td>
<td>N/A</td>
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<tr>
<td></td>
<td></td>
<td>80922 Armor Mat XX</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>80985 Sto Mesh 6 oz.</td>
<td>Pass</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>NOMINAL Weight/YD²</th>
<th>Width of Roll</th>
<th>Length of Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>80918 Intermediate Mesh</td>
<td>11 oz.</td>
<td>38” (0.97 m)</td>
<td>75’ (22.9 m)</td>
</tr>
<tr>
<td>80919 Detail Mesh</td>
<td>4.2 oz.</td>
<td>9.5” (0.24 m)</td>
<td>150’ (45.7 m)</td>
</tr>
<tr>
<td>80920 Mesh</td>
<td>4.5 oz.</td>
<td>38” (0.97 m)</td>
<td>150’ (45.7 m)</td>
</tr>
<tr>
<td>81920 Mesh</td>
<td>4.5 oz.</td>
<td>48” (1.22 m)</td>
<td>150’ (45.7 m)</td>
</tr>
<tr>
<td>80921 Armor Mat</td>
<td>15 oz.</td>
<td>38” (0.97 m)</td>
<td>75’ (22.9 m)</td>
</tr>
<tr>
<td>80922 Armor Mat XX</td>
<td>20 oz.</td>
<td>38” (0.97 m)</td>
<td>75’ (22.9 m)</td>
</tr>
<tr>
<td>80985 Sto Mesh 6 oz.</td>
<td>6 oz.</td>
<td>38” (0.97 m)</td>
<td>150’ (45.7 m)</td>
</tr>
</tbody>
</table>

### Impact Resistance of StoTherm® ci with Sto EPS Insulation Board

<table>
<thead>
<tr>
<th>Impact Classification (Inch-lbs)</th>
<th>(Joules)</th>
</tr>
</thead>
<tbody>
<tr>
<td>With Sto Mesh</td>
<td>(2.83 - 5.54)</td>
</tr>
<tr>
<td>With 2 layers Sto Mesh</td>
<td>(5.65 – 10.1)</td>
</tr>
<tr>
<td>With one layer of Sto Mesh 6oz</td>
<td>(5.65 – 10.1)</td>
</tr>
<tr>
<td>With Sto Intermediate Mesh</td>
<td>(10.2 – 17)</td>
</tr>
<tr>
<td>With Sto Armor Mat and Sto Mesh</td>
<td>(over 17)</td>
</tr>
<tr>
<td>With Sto Armor Matt XX and Sto Mesh</td>
<td>(over 17)</td>
</tr>
</tbody>
</table>

### Features and 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

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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 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)
- **80922 Sto Armor Mat XX:** 238 ft² (22.1 m²)
- **80985 Sto Mesh 6 oz:** 475 ft² (44.1 m²)

### 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 Armor 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).
Product Bulletin

Sto Reinforcing Meshes

Where to Use


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.


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. Rap 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 rapped 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 rapped 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 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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Etobicoke, ON M9W 5W8
Tel: 416 855 0460
www.stocanada.com

Attention
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