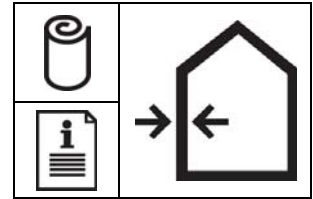


# Sto DrainScreen

81208-750 Sto DrainScreen



*Sto DrainScreen is a tangled filament nylon core drainage mat for use in above grade vertical wall assemblies beneath stucco, stone, siding, and thin brick veneer. It is intended to promote drainage and drying of wall assemblies.*

Technical Data			
REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Flame Spread	ASTM E-84	Flame Spread: ≤25 Smoke Developed: ≤450	Pass, Class A Building Material
Thickness	Measure	N/A	Nominal 1/4" (6 mm)
Weight	Measure	N/A	9.0 oz/yd <sup>2</sup> (213 g/m <sup>2</sup> )

Features	Benefits
1 Drainage and ventilation mat	Promotes drainage and drying in stucco, cement board stucco, stone, siding, and thin brick veneer wall assemblies
2 Highly breathable	Water vapor moves freely through the drainage mat layer
3 Lightweight, narrow diameter rolls	Easy to handle, carry, and roll onto the wall
3 Laminated with lightweight breathable fabric	Prevents stucco or mortar from penetration into the cavity for unobstructed drainage

### Packaging

18 rolls per pallet

4x62.5 ft roll = 250 ft<sup>2</sup>  
(1.2 x 19 m = 23 m<sup>2</sup>)  
Roll Diameter: 16" (0.41 m)  
Roll Weight: 15.6 lbs (7.1 kg)

### Shelf Life

2 years when properly stored.

### Storage

Store in a dry area. Protect from direct sunlight.

# Sto DrainScreen

## Surface Preparation

No special surface preparation is required. Walls must be structurally sound, code compliant, and follow good construction

practice with a path for moisture to escape.

## Mixing

No mixing required.

## Application

1. Install Sto DrainScreen over properly installed code compliant sheathing protected with a code compliant water-resistant barrier and air barrier (where required by code).
2. Place Sto DrainScreen against the wall surface and unroll horizontally with the fabric facing out.
3. Hammer-tack Sto DrainScreen into sheathing or framing with as few fasteners as needed to hold it in place, starting from the bottom of the wall at base flashing or weep screed and working up. Do not fasten through flashing.
4. Shingle lap fabric at horizontal courses. Shingle lap Sto DrainScreen over flashing at floor lines, decks, roof lines, window heads, and other areas where flashing is required, to direct water to the exterior.
5. Butt ends of rolls and vertical seams.
6. Trim Sto DrainScreen around windows, doors, vents, or other penetrations through the wall.
7. Immediately install stucco or stone lath, cement board, siding or other cladding over the drainage mat. Refer to local code requirements and cladding manufacturer's installation instructions. Note: Allow for the added thickness of the drainage mat to achieve minimum cladding fastener penetration depth into structural supports.

### IMPORTANT

- Use only corrosion resistant fasteners.
- Do not fasten Sto DrainScreen through flashings.
- Do not install Sto DrainScreen behind window nail flanges.
- To protect wall cavity from insects, seal cladding terminations with screening or appropriate sealant material (with weeps at base of wall and other terminations where flashing is used to direct water to the exterior).
- Where cladding installation will not immediately follow installation of drainage mat, use cap nails, cap staples, or cap screws every 16 inches (406 mm) on center along framing for more secure attachment.

## Health And Safety

### Health Precautions

Exercise care when handling as with any construction material. Prevent contact with skin and eyes.

### Safety Precautions

Material is flammable. Protect from flame, fire, sources of sparks or ignition. Exposure to flaming material may create dense, toxic smoke. Use safety goggles and protective gloves when cutting and handling.

### First Aid

**SKIN CONTACT:** For skin contact with fume condensate, immediately wash thoroughly with soap and water. If irritation develops, seek medical attention. **EYE CONTACT:** Remove contact lenses at once. Immediately flush eyes well with copious amounts of water or normal saline for at least 20-30 minutes. Seek medical attention. **INGESTION:** Immediately seek medical advice. **INHALATION:** Not likely to be inhaled due to physical form. For processing fume inhalation irritation, leave contaminated area & breathe fresh air. If coughing difficult breathing or any other symptoms develop, seek medical attention, even if symptoms develop at a later time. **MELT PROCESSING:** For molten plastic skin contact, cool rapidly with water & immediately seek medical attention. Do not attempt removal of plastic without medical assistance. Do not use solvent for removal. **HYGIENE:** Wash hands immediately after use. Wash clothing before re-use.

### Disposal

Recycling is encouraged. Disposal in landfill or by incineration in accordance with federal, state & local requirements. Collected processing fume condensates & incinerator ash should be tested to determine waste classification. Do not dump into any sewers, on the ground, or into any body of water.

### Warning

**KEEP CONTAINER 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.

Material Safety Data Sheet (MSDS) is available at [www.stocorp.com](http://www.stocorp.com)

### 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.*

## Limitations

- Not intended for use below grade or on horizontal surfaces.
- Not intended for prolonged UV exposure. Protect with wall covering within 30 day of installation.
- Applications may be limited to use on Type V (Combustible) construction. Check local codes.

**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)

**S155-81208**  
Revision: 00  
Date: 03/2011



### 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).