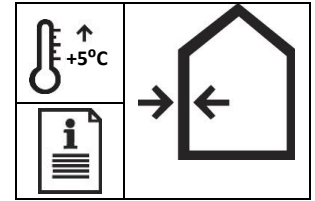


## Product Bulletin

# Sto-Ecoshapes and Sto-Bonding and Pointing Mortar

3196 Sto-Ecoshapes

00760 Sto-Bonding and Pointing Mortar



Sto-Ecoshapes are prefabricated render finish shapes for decoration and protection of facades. Sto-Ecoshapes Vintage achieves the look of brick and Sto-Ecoshapes Designer is a customized look. Use with Sto Bonding and Pointing Mortar over prepared vertical above grade concrete, concrete masonry, stucco, and in StoTherm ci<sup>®</sup>, Sto Powerwall<sup>®</sup>, and StoQuik<sup>®</sup> Silver systems.

### Sizes

Length: Min 30mm (1-¼ in), Max 840 mm (33 in)  
 Width: Min: 30mm (1-¼ in), Max 420mm (16-1/2 in)  
 Thickness: Min 4mm (1/8 in), Max 8mm (5/16 in)

### Packaging

Sto-Ecoshapes Cartons  
 Sto-Bonding and Pointing Mortar - Pail

### Shelf Life

See batch no. on carton. First number on carton is year of expiration. Second two numbers are week of expiration (e.g., batch no. 9450013223 expires the 45th week of 2019)

### Storage

Store off the ground in a dry area. Do not store at temperatures less than 10°C (50°F) before application.

## Technical Data

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS <sup>1</sup>
Adhesion to EPS	ASTM D1653	Adhesion ≥ 80 kPa (11.6 psi)	Pass
Water Vapour Permeance of Lamina	ASTM E96 Method A	Measure	69.18 ng/(Pa•s•m <sup>2</sup> ) (1.21 US Perms)
UV Resistance	ASTM G155	No deleterious effects	Pass
Fire Test Evaluation	CAN/ULC S135	Equal or lower calorific value to other Sto finishes	Pass (qualifies for use on noncombustible construction in StoTherm ci Systems)
Building Code Compliance	StoTherm ci Systems are certified to National Building Code of Canada Article 3.1.5.5. (Sto-Ecoshapes insertion into Systems' Design Listing pending)		
VOC (g/L) Bonding and Pointing Mortar	Complies with US EPA (40 CFR 59) and South Coast AQMD (Rule 1113) VOC emission standards for architectural coatings. VOC less than 50 g/L.		

1. Results are based on lab testing under controlled conditions. Results can vary between labs or from field tests.

## Features

## Benefit

1 Custom-designed	Wide variety of colors, textures, formats to choose from
2 Organic bonding and pointing mortar	Eliminates efflorescence commonly associated with other masonry mortars. Available in 9 standard colors.
2 Pre-fabricated	Improved aesthetics compared to field installed finish
3 Easy to Install	Does not require highly skilled labor force, cost effective
4 Made with 100% Acrylic Polymers	Durable, UV resistant, superior flexural strength; resists cracking
5 Vapour permeable	Diffuses water vapour, resists blistering and peeling

## 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, and any other contamination that

may affect adhesion. Use appropriate repair methods for the substrate to repair pitting, spalls, cracks, peeling, blistering, delamination, weak surface conditions such as laitance, water damage, or other defects that may exist.

## Sto-Ecoshapes and Sto-Bonding and Pointing Mortar

### Application

Apply only when substrate and ambient temperatures are above 5°C (50°F) over sound and clean, dry properly prepared frost-free surfaces. Do not apply over damp surfaces or during rain, hail, or snow events, or if rain, hail, or snow is imminent.

Construct a mock up under actual conditions of use to verify proper surface preparation, coverage, and aesthetics, for approval by the appropriate authority.

Establish layout lines for the pattern in use (e.g., running bond, stacked bond). Lay the veneer units from top to bottom in accordance with the planned layout and start from a corner. Apply Sto-Bonding and Pointing Mortar horizontally with a 4x6mm or 6x6mm (1/8 x 1/4 or 1/4 x 1/4 inch) notched trowel. Apply only as much mortar as can be installed before a skin forms on the mortar.

Press and gently slide the veneer units into the freshly applied mortar. Fully bed the units in the mortar to ensure no gaps or cavities in the mortar.

As soon as the veneer units are held into place with the mortar, work the joint areas with a flat paint brush so they are even.

### Curing/Drying

Sto-Bonding and Pointing Mortar dries within 24 hours under normal conditions [21°C (70°F), 50% RH]. Full mechanical properties achieved in 7 days. Full drying varies depending on temperature/humidity and surface conditions. Cool damp conditions retard drying and may require extended periods of protection from rain and freezing. Protect from rain, freezing and continuous high humidity until completely dry.

### Clean Up

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

### Health And Safety

#### Health Precautions

Product is a manufactured article – not a fluid or particulate. Under normal conditions of use it does not pose a physical hazard or health risk.

#### FIRST AID MEASURES

**Eye Contact:** flush with cool water, like any non-hazardous solid

**Skin Contact:** if skin is irritated from handling product, wash thoroughly with soap and water, and wear protective gloves. Seek medical attention if condition persists.

**Inhalation:** None expected

**Ingestion:** Seek medical attention if a considerable amount has been swallowed

#### Spills

Not applicable

#### Disposal

Dispose of in accordance with local, state or federal regulations

#### Warning

**KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY.**

#### LIMITED WARRANTY

This product is subject to a written limited warranty which can be obtained free of charge from Sto Canada Ltd. Refer to Sto Specifications for more complete information on proper use and handling of this product.

### Limitations

- Use only when surface and ambient temperatures are above 5°C (50°F) during application and drying period.
- Do not use on horizontal or below grade surfaces or where immersion in water may occur.
- Sloped surfaces: refer to Sto details.

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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).