



*Sto Leveler is a polymer-modified, cement-based, glass fiber-reinforced product used to patch or level irregular masonry, concrete or plaster/stucco wall surfaces. Apply the product from 1/8" to 1/4" (3-6 mm) thick.*

## Technical Data

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Compressive Strength (psi)	ASTM C-109	7 days	2,200
		28 days	3,000
Flexural Strength (psi)	ASTM C-293	7 days	850
		28 days	1030
Tensile Strength (psi)	ASTM C-190	28 days	385
Tensile Bond Strength (psi)	ASTM D-4541	7 days	145
		28 days	220

### Coverage

25-35 ft<sup>2</sup> (2.3-3.3 m<sup>2</sup>) per bag applied at 1/4" (6 mm) thick  
50-70 ft<sup>2</sup> (4.6-6.5 m<sup>2</sup>) per bag applied at 1/8" (3 mm) thick

Coverages may vary depending on application technique and surface conditions.

### Packaging

60 lb. bag (27 kg)

### Shelf Life

12 months, if sealed and properly stored.

### Storage

Store off the ground in a dry area. Protect from extreme heat [90°F (32°C)], moisture and direct sunlight.

## Features

## Benefits

- |                                    |  |
|------------------------------------|--|
| <b>1</b> One-component             | Ready to use; easily mixed with water on the job site. |
| <b>2</b> Fiber-reinforced          | Improves flexural strength; resists shrinkage cracks   |
| <b>3</b> Creamy smooth consistency | Trowels on easily; increases job site productivity     |
| <b>4</b> Polymer-modified          | Increases durability; excellent adhesion               |
| <b>5</b> Jobsite versatility       | Provides application options for jobs versatility      |

# 244 Sto Leveler

## Surface Preparation

### Concrete and masonry surfaces:

Surfaces must be free of all bond-inhibiting materials, including dirt, efflorescence, form oil and other foreign matter. Loose or damaged material must be removed by waterblasting,

sandblasting or mechanical wire brushing. Dampen surface prior to application of Sto Leveler. Refer to ASTM D-4258 and ASTM D-4261 for complete details on methods of preparing cementitious substrates for coatings.

## Mixing

Use 3.5-5 quarts (3.3-4.7 L) of water per 60 lb. bag (27 kg). Mix 1/2 bag at a time by adding Sto Leveler to 3.5-5 pints (1.7-2.4 L) of clean, potable water in a clean mixing pail. Mix with a clean, rust-free electric drill and paddle.

Allow to set approximately five minutes, adjust mix if necessary by adding up to 1/2 pint (0.24 L) of water, remix to a uniform consistency. Avoid retempering after mixing of product.

## Application

Apply only to sound and clean, dry, properly prepared, frost-free surfaces.

Dampen surfaces thoroughly with clean water when applying Sto Leveler to porous surfaces or during hot weather conditions. Apply Sto Leveler by hand troweling to a minimum 1/8" (3 mm) or maximum 1/4" (6 mm) thickness in one application. Working time can be affected by temperature and humidity (low humidity and high temperature shorten working time). Once applied, the working time is up to 45 minutes depending upon material, ambient temperatures and surface conditions.

Protect from rain, freezing and continuous high humidity until completely dry.

### Curing/Drying

Sto Leveler sets in 1 to 3 hours, depending upon ambient temperature and surface conditions. High temperatures, direct sun and wind will cause rapid drying. Under these conditions, the use of light water fogging for 48 hours is recommended. Do not commence fogging until initial material sets (1-3 hours under normal conditions).

### Clean Up

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

## Limitations

- Use Sto Leveler only when surface and ambient temperatures are above 40°F (4°C) during application and drying period.
- Sto Leveler is not recommended for use on painted or wood surfaces.
- Sloped surfaces: minimum required slope is 1:2 (27°) and maximum width is 12" (300 mm).
- Sto Mesh embedded in Sto Flexyl is required beneath finish coating.
- Increase slope for northern climates to prevent accumulation of ice/snow and water on surface.
- Periodic inspection and increased maintenance of coating may be required.
- Sto Leveler should not be used as a finish coat.

## Health And Safety

### Health Precautions

Contains Portland cement and crystalline-free silica. Avoid breathing dust. As with any chemical construction product, exercise care when handling.

### Safety Precautions

Use adequate ventilation. Use of a NIOSH/MSA-approved dust respirator, safety goggles and protective gloves is recommended.

### 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 in an appropriate container. Uncured material may be removed with water

### Disposal

Dispose of in accordance with local, state or federal regulations.

### Warning

KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Material Safety Data Sheet 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., 3800 Camp Creek Parkway, Building 1400, Suite 120, Atlanta, GA 30331; Tel: 404-346-3666; Fax: 404-346-3119.

### 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 non-performance 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 Corp. website, [www.stocorp.com](http://www.stocorp.com).

### 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)



S155-244 04/08 VEN 5609

