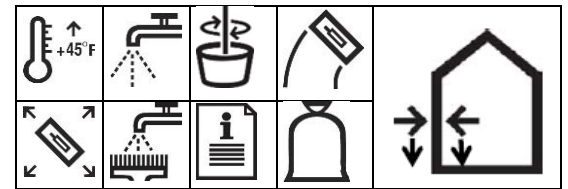


PRODUCT BULLETIN

Sto Leveler & Skim Coat

Product Number: 80244



PRODUCT DESCRIPTION

Sto Leveler & Skim Coat is a polymer-modified, cement-based, fiber-reinforced repair mortar used to patch, level and re-pitch irregular horizontal and vertical concrete, masonry and plaster/ stucco surfaces.

FEATURES	BENEFITS
One-component	Ready to use; easily mixed with water on the job site
Fiber-reinforced	resists shrinkage cracks; Improves flexural strength
Creamy smooth consistency	Trowels on easily; increases job site productivity
Polymer-modified	Increases durability and adhesion
Wide range of applications	Tilt-up panels, CMU, cast-in-place, precast;
Featheredge	Excellent for re-pitching/re-sloping balconies and drainage areas

COVERAGE (per bag)

10-14 ft² (0.9-1.3 m²) per bag applied at ½" (12 mm) thick

21-29 ft² (2.0-2.7 m²) per bag applied at ¼" (6 mm) thick

42-58 ft² (3.9-5.4 m²) per bag applied at ⅛" (3 mm) thick

Coverages may vary depending on application technique and surface conditions.

Packaging: 50 lbs. bag (22.7 kg)

Shelf Life: 12 months in original, unopened container, if properly stored.

Storage: Store in a dry area, between 50°F (10°C) and 85°F (29°C).

SURFACE PREPARATION

1. Remove loose, deteriorated concrete and all other bond-inhibiting materials from the area to be repaired.
2. Prepare concrete surface using proper equipment to achieve a Concrete Surface Profile (CSP) of 1 to 3 according to ICRI Guideline No. 310.2R-2013. Verify bond to properly prepared concrete or concrete masonry as specified by design professional at a minimum of 28 days old.
3. Concrete substrate must be clean and saturated surface dry (SSD) with no visible standing water. Exposed reinforcing steel shall be clean and free of oxidation (rust).
4. Work a scrub coat of the mixed material into the substrate to ensure intimate contact and establish bond. Complete repair while scrub coat is still wet.

Priming: Alternatively, prepared concrete and reinforcing steel may be primed using Sto Bonding and Anti-Corrosion Agent.

MIXING

Recommended Mixing Paddle: Type P2 or P5 according to ICRI Guideline No. 320.5R-2014

Recommended Mixing Drill: Type D5 or D6 according to ICRI Guideline No. 320.5R-2014

Use Sto Leveler & Skim Coat at a preconditioned temperature of 70 ± 5°F (21 ± 3°C). Use 2.9-4.2 quarts (2.7-4.0 L) of water per 50 lb. bag (22.7 kg).

Pour water into a clean mixing container. Mix while slowly adding the product to the water. Allow to set approximately five minutes. Adjust mix, if necessary, by adding up to 1/2 pint (0.24 L) of water, and remix to a uniform consistency.

Avoid re-tempering after mixing of product. Discard material that has taken initial set. **DO NOT ADD EXCESS WATER TO MIX. USE OF EXCESS WATER IS DETRIMENTAL TO PERFORMANCE.**

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APPLICATION

Apply only to sound, clean, properly prepared and frost-free surfaces. For porous surfaces and in hot weather conditions dampen surfaces thoroughly with clean water before applying Sto Leveler & Skim Coat. For vertical surfaces, apply Sto Leveler & Skim Coat by hand troweling from featheredge to a maximum 1/4" (6 mm) thickness in one application. For horizontal surfaces, apply Sto Leveler & Skim Coat by hand troweling from featheredge to a maximum 1/2" (12 mm) thickness in one application. Contact Technical Services for multiple lift applications. Working time can be affected by temperature and humidity. Low humidity and high temperature shorten working time. Once mixed, the working time is up to 45 minutes depending upon material, ambient temperatures and surface conditions. Protect from rain and freezing and until completely dry.

Curing/Drying

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 material sets. When used in horizontal applications allow sufficient time to cure before opening to foot traffic.

Clean Up

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

HEALTH & SAFETY

WARNING: Causes eye and skin irritation.

Precautionary Statement: Wash hands thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

FIRST AID MEASURES: Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.

Skin Contact: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention. Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Store locked up.

Spills: Collect with suitable absorbent material such as cotton rags.

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

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 Safety Data Sheet (SDS) on www.stocorp.com for further health and safety information.

LIMITATIONS

- Use Sto Leveler & Skim Coat only when surface and ambient temperatures are 40°F (4°C) and rising during application and drying period.
- Sto Leveler & Skim Coat is not recommended for use on painted or wood surfaces.
- Sto Leveler & Skim Coat should not be used as a finish coat.
- Horizontal applications: not recommended in areas with vehicular traffic; intended for pedestrian traffic only.

LIMITED WARRANTY

This product is subject to a written limited warranty which can be obtained free of charge from Sto Corp.

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TECHNICAL DATA

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULT*
Application Thickness	-----	Minimum Maximum (Vertical) Maximum (Horizontal)	Featheredge ¼" or 6mm ½" or 12mm
Set Time (minutes)	ASTM C191	Initial Final	240-420 300-480
Compressive Strength (psi)	ASTM C109	7 days 28 days	3,600 4,300
Flexural Strength (psi)	ASTM C348	7 days 28 days	800 980
Direct Tensile Bond (psi)	ASTM C1583	28 days	225
Salt Scaling Resistance	ASTM C672	50 cycles	Rating = 0 Scaled Material = 0.0 lbs/ft²
Note: To convert psi to Mega Pascal (MPa) multiply by 0.0069.			

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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 Corp. website, www.stocorp.com