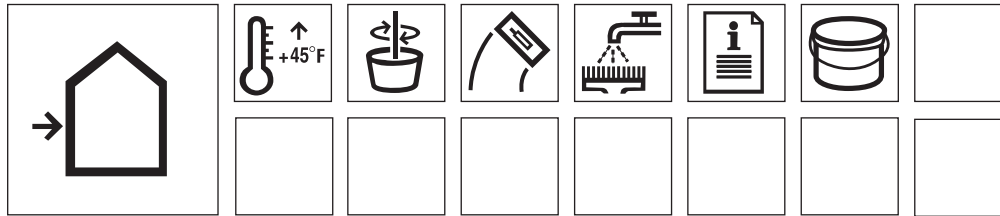


Sto Flexible Skim Coat

CR213

Division 3

surface leveler
trowel grade
weatherproofing
crack-bridging



acrylic-based, using proprietary StoCryl technology

Sto Flexible Skim Coat is an acrylic-based surface leveler and ground coat that weatherproofs and bridges cracks. Use it for leveling and weatherproofing vertical above-grade concrete, stucco or masonry block surfaces. It provides a fast way to seal cracked surfaces when there are too many cracks to fill individually.

Coverage

40-70 ft² per gal, applied at 1/32 inch thick (4-6 m² per 3.8 L, at 0.8 mm thick).

Packaging

5 gal pail (19 L)

Shelf Life

12 months in original, unopened, properly stored container.

Storage

Store in a dry area between 50° F (10° C) and 85° F (29° C). Protect from direct sunlight and extreme heat [90° F (32° C)]. Protect from freezing.

Technical Data

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Working Time (minutes)			15-45
Adhesion (psi)	ASTM D-4541	7 days	>185
Elongation (%)	ASTM D-412	7 days	>75
Tensile Strength (psi)	ASTM D-412	7 days	>175
Water-Vapor Transmission (U.S. perms)	ASTM D-1653	50 mils dry film	4.2

*Typical values for material cured at 73° F (23° C) and 50% R.H.

Note: To convert psi to megapascal (MPa) multiply by 0.0069. To convert U.S. perms to g/Pa-s-m² multiply by 5.72 x 10⁶.

Features	Benefits
1 Acrylic-based	Ensures adhesion to substrate; provides internal flexibility and weather resistance
2 Flexible	Bridges hairline cracks; accommodates normal substrate movement; does not age harden
3 Weather-resistant	Repels water; protects against ultraviolet light
4 Non-vapor barrier	Allows substrate to breathe naturally; resists blisters caused by trapped vapor
5 Creamy consistency	Easy to apply; trowels smooth
6 VOC compliant	Safe for workers
7 Water clean up	Tools can be reused; no hazardous solvents needed; environmentally friendly

sto

Surface Preparation

Remove loose and deteriorated materials by high-pressure (>3000 psi [20.7 MPa]) water-blasting, sand-blasting or mechanical wire brushing. Make sure surfaces are sound, clean, and free of all bond-inhibiting materials including mildew, dust, dirt, laitance and standing water.

NOTE: If substrate is dusting, chalking or painted, consult Sto representative.

Mixing

Use Sto Flexible Skim Coat at a preconditioned temperature of $70 \pm 5^\circ \text{F}$ ($21 \pm 3^\circ \text{C}$). Mix with a clean, rust-free electric drill and paddle. A small amount of water may be added to aid workability.

Application

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

Apply in 1/16 inch (1.6 mm) thick coat with a stainless-steel trowel. Immediately trowel the product level.

Once applied, the working time is 15-45 minutes, depending upon material, ambient and surface conditions.

Where required, embed repair mesh into the freshly applied material, smooth wrinkles, force down and cover with material.

Curing/Drying

Allow a minimum drying time of 24 hours before overcoating. Protect from rain, freezing and continuous high humidity until completely dry.

Clean Up

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

Limitations

- Apply only when ambient and surface temperatures are 45°F (7°C) and rising.
- The minimum required thickness is $\frac{1}{32}$ inch (.8 mm); the maximum allowable thickness is $\frac{1}{16}$ inch (1.6 mm).
- Do not use to bridge cracks greater than $\frac{1}{32}$ inch (.8 mm).
- Requires overcoating with Sto elastomeric finish material.
- Do not overcoat with solvent-based materials.
- Do not use below grade or on surfaces subject to continuous or intermittent water immersion.
- Do not use to waterproof sloped surfaces.
- Do not use as a finish.

How It's Used

Sto Flexible Skim Coat is a vertical surface leveler that seals cracked surfaces when there are too many cracks to fill individually. Use it to weather-proof concrete, stucco or masonry block. Its creamy consistency trowels on easily to produce a smooth surface, bridging hairline cracks. Tools clean up quickly and easily with water.

Health And Safety

Health Precautions

Product is water-based. As with any chemical construction product, exercise care when handling. Component B contains Portland cement. Avoid breathing dust.

Safety Precautions

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

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 CONTAINERS 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.

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

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



SCR155-213 03/03 VEN 5609