



# LOCK THE TOP™ Self-Leveling Underlayment

## DESCRIPTION

**Lock the Top™ Self-Leveling Underlayment (SLU).** **Lock the Top™ SLU** is a two component, high early strength self-leveling magnesium polyphosphate material that is easy to use and provides a smooth hard substrate that can be used as a wear layer in exterior or interior applications and will accept finishes 16 hours after installation.

## BASIC USES

**Lock the Top™ SLU** creates a hard, fast setting, zero shrink substrate designed to receive interior & exterior coatings or act as a finished material. **Lock the Top™ SLU** works well with moisture sensitive coatings and adhesives as well as Portland cement-based thin-sets and epoxies.

## SPECIAL FEATURES

- **ZERO Shrink Technology**-Will not shrink on cure
- Easy to use-Mix Part A & B, put in place
- Cures rapidly to form a hard, tenaciously bonded substrate
- Fast Setting
- Coatings, adhesives & flooring systems can be installed 16 hours after placement.
- **ZERO Shrink Technology** facilitates bonding well above industry standards
- Stronger than concrete
- Self-priming bonds to virtually any prepared construction material, concrete, plywood, steel, etc.
- Non-toxic, it contains no harmful chemicals, and it cleans-up with water.
- Cost effective, Lock the Top™ SLU has better long & short-term performance characteristics of the best Cementitious polymer mixes at a lower cost
- Totally waterproof, it is resistant to oils, gasoline, salt and UV radiation.
- Approved by FDA for incidental food contact.
- Set times can be adjusted for faster or slower finish times with HT-Retarder AND LT-Accelerator. See below.

## MAJOR ADVANTAGES OF LOCK THE TOP™ SLU

- Zero Shrink Technology
  - Doesn't shrink.
  - Bonds above industry standards.
- Easy to use and put in place.
- Cures rapidly, forms hard substrate.
- Flooring systems can be installed in 16 hours after installation.
- Stronger than concrete.
- Self-Priming, Bonds to almost anything.
- Non toxic. No Harmful Chemicals.
- Cost Effective.
- Totally waterproof, oil, gasoline, salt, UV resistant.
- Approved by FDA for incidental food contact.

**FOR INTERIOR/EXTERIOR USE INCLUDING RESIDENTIAL**

**\*\*\*\*\*DO NOT FREEZE PART B\*\*\*\*\***



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## TECHNICAL AND PRODUCT DATA

Initial Set Time: 7 minutes @ 68°F (20°C)

Primer: No primer required

Flash Point: none

Compressive Strength:

45 minutes 1,500 psi / 10.3 MPa

24 hours 2,600 psi / 17.9 MPa

7 days 3,800 psi / 26.2 MPa

28 days 7,800 psi / 53.8 MPa

Application temp.:

Minimum – 32°F (0°C)

If Below 50°F (10°C) use LT Accelerator

Maximum-110°F (44°C)

If Above 85°F (29.6°C) use HT-Retarder

Clean-up: Water (before material sets)

Shelf Life: 1 year (Store in cool dry area)

No. of Components: Two (Part A and B)

Packaging:

Fine grade 40lb (18.1kg) Part A with 1US gal(3.78L) Part B

Yield:

Mixed Material creates 0.36 cu. ft. (.009m<sup>3</sup>)

Coverage 16 SqFt @ 1/4" (1.48m<sup>2</sup>@6.3cm)

Also available in bulk packaging

## MIXING

Keep all materials dry, **DO NOT ADD WATER TO THE MIX**. Maintaining the mix ratio as supplied, i.e. one container of liquid activator to one bag of dry component, will give a flowable consistency suitable for most interior & exterior applications, however the slump may be adjusted to the applicator's preference or to suit the specific job conditions by increasing either of the two components.

**DO NOT ADJUST THE SLUMP BY THE ADDITION OF WATER.** Mix the two components by mechanical means until all the material is wet. Let sit for at least 1 minute and remix, pour from container and screed to desired thickness.

## APPLICATION INSTRUCTIONS

Surface must be clean, dry and free of loose material, commercial or wheeled traffic areas must be profiled to a #1 or #2 CSP-ICRI. **Lock the Top™ SLU MUST NOT BE EXPOSED TO ANY WATER OR DAMPNES**s during placement or curing. Remove all loose material from area to be covered vacuuming or sweeping as required.

For applications at ambient temperatures below 50°F(10°C) LT-ACCELERATOR must be used to ensure a full cure.

With temperatures above 68°F(20°C) the HT-RETARDER can be used to extend the working time. Do not pre-wet surface. Keep an adequate supply of water on hand to keep equipment clean. Thoroughly dry all equipment before using **Lock the Top™ SLU**. Keep dry and protected.

\*\*\*\*\***DO NOT FREEZE PART B**\*\*\*\*\*



SPECIALTY  
PRODUCTS  
GROUP

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## FINISHING

After proper mixing, if poured out in a controlled manner, **Lock the Top™ SLU** will naturally flow out to 1/4" (6.35 mm) thickness. If a different thickness is required, it best finished with a porcupine and height adjusted screed to provide uniform thickness in self-leveling application. Do not rework material after it has begun to set.

## OVER COATING

Allow **Lock the Top™ SLU** at least 4 hours to cure before over coating with an additional coating or **Lock the Top™ SLU**. The cured surface should be mechanically abraded before coating to increase sound bonding.

## SPECIAL HANDLING

Store materials in a clean dry area away from direct heat. Setting time of the mixed material will be greatly accelerated if the components are stored in a warm or hot environment, conversely, the setting time is extended if the materials are kept cool. Flush all spills with water. Clean all tools with water immediately after each use. Do not attempt to place **Lock the Top™ SLU** in water or where running water will disturb the worksite. **DO NOT FREEZE PART B.**

## SAFETY

Please refer to SDS at [spggogreen.com](http://spggogreen.com) or contact SPG.

Use the same precautions as when working with conventional concrete. Although the materials are non-toxic it is good practice to protect exposed skin areas and to wear a face mask to prevent inhalation of the aggregate particles.

## WARRANTY DISCLAIMER

The information herein is to assist customers with product selection. Our products are intended for sale to qualified industrial and commercial customers. Customers shall be responsible for inspection of product prior to use to determine suitability for and applicability to their application. Trial batch mixes are encouraged with certified ready mix providers. We warrant that our products will meet our written specifications. Nothing herein shall constitute a warranty expressed or implied, including any warranty of merchantability or fitness, nor is protection from any loss or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages. Project specific warranties are available for waterproofing and concrete durability.

Contact SPG prior to installation for project specific warranty registration and requirements.