

PRODUCT DESCRIPTION

Stonhard SL Primer is a three-component, epoxy based priming system. It is used to ensure a secure bond, fill substrate voids and completely seal the substrate to eliminate the possibility of pinholes forming in the free-flowing overlayment.

USES, APPLICATIONS

Stonhard's SL Primer is designed for use with Stonhard's free-flowing systems, i.e., Stonlux AT, SL, Stonproof ME7, Stonres systems and other systems. See the Primer Selection Guide for the appropriate selection.

PACKAGING

SL Primer is packaged in units for easy handling. Each unit consists of:

- I carton containing:
 - 4 foil bags of Amine
 - 4 poly bags of Resin
- I carton containing:
 - 4 bags of Part C (fine aggregates)

Note: The Standard Primer required for the priming system is not included and must be ordered separately.

COVERAGE

One unit of SL Primer will cover approximately 112 m² of relatively smooth surface. The rougher the substrate, the less total area one unit will cover.

STORAGE CONDITIONS

Store all components of SL Primer between 16 to 30°C in a dry area. Avoid excessive heat and do not freeze. The shelf life is 3 years in the original, unopened container.

SUBSTRATE PREPARATION

Proper preparation is critical to ensure an adequate bond and system performance. The substrate must be dry and properly prepared utilizing mechanical methods. Questions regarding substrate preparation should be directed to your local Stonhard representative or Technical Service.

MIXING

For SL Primer, empty the contents of Part A and Part B into a clean pail and mix with a slow-speed drill and a jiffy mixer for one minute. Then, add Part C and mix for an additional 90 seconds

Note: Do not start mixing until the substrate is properly prepared and dry with the temperature of both the substrate and the material at least 16°C.

PHYSICAL CHARACTERISTICS

Pot Life	20 to 25 minutes @ 21°C
Application Temperature Range	Ambient and substrate temperatures should be between 16°C and 32°C
V.O.C. (ASTM D-2369)	15g/l

* Tested as part of the Stonclad GS flooring system

Note: The above physical properties were measured in accordance with the referenced standards. Samples of the actual floor system, including binder and filler, were used as test specimens. All sample preparation and testing is conducted in a laboratory environment, values obtained on field applied materials may vary and certain test methods can only be conducted on lab made test coupons.

POT LIFE

After mixing, SL Primer has a working time of approximately 25 minutes at 25°C. The working time may vary depending upon ambient and surface conditions.

APPLYING

SL Primer must be used in conjunction with Standard Primer. First, apply a thin coat of Standard Primer using a standard rubber squeegee at a coverage of 83.6 m² per unit. The purpose of the Standard Primer is to pre-wet the concrete and penetrate the surface to give an excellent bond.

Approximately 15 minutes after application of the Standard Primer, begin applying the SL Primer. The SL Primer is squeegee applied only, utilizing the wet-on-wet method. Pour a bead of SL Primer out onto the wet Standard Primer and squeegee out, being careful not to leave squeegee lines. **DO NOT BACKROLL!**

Once you have applied approximately 20 minutes worth of SL Primer, walk back out onto the SL Primer wearing golf shoes or spikes and apply the second coat of the wet-on-wet coats. Again, use a squeegee only. In large areas, you will need to have enough men to apply Standard Primer, the first coat of SL Primer and the second coat of SL Primer at the same time. Continue to rework the material with a squeegee, forcing it into holes and voids until it starts to thicken too much to continue. The application will be most effective if the material is worked into the surface while it is curing.

Note: If the Standard Primer is applied too thick, it will dilute the SL Primer and reduce its effectiveness. Also, remember not to Backroll the SL Primer. Backrolling will pull the material out of voids and pinholes. SL Primer must be fully cured prior to overlaying.

CURING

SL Primer must be fully cured prior to overlaying. The cure time for SL Primer is approximately 8 hours at 25°C and may vary depending on ambient and surface conditions.

RECOMMENDATIONS

- Stonkleen TD9 is recommended as an industrial detergent for removal of most contaminants found on concrete.
- Minimum ambient and surface temperature is 16°C at time of application.
- Apply only to a clean, sound and properly prepared substrate.
- Clean tools immediately with either scouring pads and water, or acetone. Hardened material will require mechanical removal.
- Substrate temperature should be greater than 3°C above dew point.
- Application and curing times are dependent upon ambient and surface conditions. Consult Stonhard's Technical Service Department if conditions are not within the recommended guidelines.

PRECAUTIONS

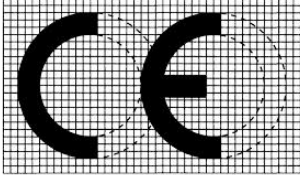
- **Both liquid components A and B are skin and eye irritants – avoid contact.**
- The selection of proper protective clothing and equipment will significantly reduce the risk of injury. Body covering apparel, safety goggles or safety glasses and impermeable gloves are required.
- In case of contact, flush the area with copious amounts of water for 15 minutes and seek medical attention. Wash skin with soap and water.
- Use only with adequate ventilation.
- SL Primer should never be allowed to cure without direct application of another system such as broadcast, mortar or other suitable flooring system.

NOTES

- Material Safety Data Sheets for SL Primer are available online at www.stonhard.com under Products or upon request.
- A staff of technical service engineers is available to assist with installation or to answer questions related to Stonhard products.
- Requests for literature can be made through local sales representatives and offices, or corporate offices located worldwide.

CE MARKING

The harmonized European Standard EN 13813 „Screed material and floor screeds- Screed materials - Properties and requirements“ specifies the requirements for screed materials for use in floor construction internally. Resinous flooring systems as well as resinous screeds fall under this specification they have to be CE-labeled as **per Annex ZA, Table ZA.1.5 and 3.2** and fulfill the requirements of the given mandate of the Construction Products Regulation no. 305/2011

	
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EC-DOP-2013.09.002	
EN 13813 SR-B2.0	
Synthetic resin primer system for use internally in buildings ¹ (system as per Product Data Sheet)	
Reaction to fire:	B _{fi} -S ¹
Release of corrosive substances:	SR
Adhesion strength by pull-off test:	> B2.0
Chemical resistance:	CRG ²
¹ Tested as part of a system build-up with Stonproof ME7	
² CRG: see Stonhard Chemical Resistance Guide	

IMPORTANT:

Stonhard believes the information contained here to be true and accurate as of the date of publication. Stonhard makes no warranty, expressed or implied, based on this literature and assumes no responsibility for consequential or incidental damages in the use of the systems described, including any warranty of merchantability or fitness. Information contained here is for evaluation only. We further reserve the right to modify and change products or literature at any time and without prior notice.

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