

SELF-LEVELLING EPOXY PRIMER

ENHANCES BOND OF POLYURETHANE AND EPOXY SYSTEM TO CONCRETE SUBSTRATE
ENSURES FULL BOND BY FILLING SUBSTRATE VOIDS AND DETECTS SUBSTRATE "OUTGASSING"
LOW ODOUR AND CAN BE OVERCOATED AFTER 6 HOURS AT 25°C

PRODUCT DESCRIPTION

Stonprime SL 739-SA is a three-component, resin-based priming system for self-levelling 1-3mm floor systems. It is used to ensure a secure bond, fill substrate voids and detects the possibility of "outgassing".

USES

Stonprime SL 739-SA is designed for use with Stonhard's free-flowing systems, i.e. Stonlux SL, Stonclad UL, Stonshield SLT, Stontec ERF, Eucofloor 24 and Euco Super Flo-Top 512.

PACKAGING

Stonprime SL 739-SA is packaged in 20 litre kits. Each kit consists of:

- 1 x 5L 739 Activator
- 1 x 10L 739 Base
- 1 x 15kg 739C Fine Aggregate

MOISTURE BARRIER

To ensure long term adhesion to concrete slabs and in absence of a proper vapour barrier, the use of Stonprime 786OPR, broadcast with coarse texture # 6223 Aggregate, would be required prior to the application of Stonprime SL739.

COVERAGE

One 20L kit of SL Primer will cover between 60-70 m² of relatively smooth substrate. 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 excess heat and do not freeze. The shelf life is 1 year in the original, unopened container.

SUBSTRATE PREPARATION

Proper preparation is critical to ensure an adequate bond. The substrate must be dry and free of all wax, grease, oils, fats, soil, loose or foreign materials and laitance. Contaminants may be removed by scrubbing with a heavy-duty industrial detergent, Carboclean 250 or Carboclean 252, and rinsing with clean water. Laitance and unbonded cement particles must be removed and surfaces should be roughened by mechanical methods, i.e. abrasive blasting or scarifying. The surface must show open pores throughout and have a 80-grit sandpaper texture. For recommendations or additional information regarding substrate preparation, contact Stonhard's Technical Service Department.

MIXING

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.

Empty the contents of Part A and Part B into a clean 25 litre pail and mix for 90 seconds with a variable speed high torque, 600 rpm mixer fitted with a spiral impeller. Then add Part C and mix for an additional 90 seconds.

POT LIFE

After mixing, SL Primer has a working time of approximately 20 minutes at 25°C. The working time may vary depending upon ambient and surface conditions.

TYPICAL PROPERTIES AT 25°C

Pot Life	20 to 25 Minutes
Application Temperature Range	Ambient & substrate between 16 and 32°C
Application Method	Squeegee 2 coats wet-on-wet - DO NOT ROLL
Solids Content	96%
Tensile Strength (ASTM D-638)	6.300 psi
Tensile Modulus (ASTM D-638)	4 x 10 ⁵ psi
Percent Elongation (ASTM D-638)	3,0%
Bond Strength (ASTM D-7234)	>400 psi (100% concrete failure)
Set Time	6 to 8 hours 16 Hours maximum recoat window
Flash Point	Part A > 99°C Part B 79°C
VOC Content	50g/l

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.

APPLICATION:

SL Primer must be used in conjunction with Stonprime 786OPR if moisture barriers are required. Two coats of SL Primer is squeegee applied only, utilising the wet-on-wet method. Pour a bead of Primer out onto the substrate and squeegee out, being careful not to leave squeegee lines. DO NOT BACKROLL!

Once you have applied approximately 10 minutes worth of SL Primer, walk back out onto the SL Primer wearing spiked shoes 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 the first coat of SL Primer and the second coat of SL Primer at the same time.

One 20l kit of SL Primer will cover between 60-70m² on relatively smooth substrates following this 2-coat wet-on-wet application method.

NOTE: 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.

PRIMER INSPECTION: Very porous surfaces are known to "outgas" during the primer application and can be detected as blow holes or bubbles in the opaque primer. These need to be filled level with the surface using Pro-Struct 30/35NS Quickset Paste prior to overlaying with the coating system.

ADDITIONAL ADHESION:

Dependant on thickness of overlay, lightly broadcast a Stonhard texturing aggregate at ½kg/m² to create a gritted surface. In the case of Stonclad UL, it is essential to broadcast Stonhard 6222 medium aggregate.

CURING

SL Primer must be fully cured prior to overlaying. The cure time for SL Primer is approximately 6 to 8 hours at 25°C and may vary depending on ambient and surface conditions.

RECOMMENDATIONS

- Carboclean 250 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 clean, sound and properly prepared substrate.
- Clean tools immediately with either scouring pads and water, or mineral spirits. 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 use of safety glasses and impervious gloves is required during application.
- In case of contact, flush the area with copious amounts of clean water for 15 minutes and seek medical attention. Wash skin with soap and water.
- Use only with adequate ventilation.

NOTES:

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

CAUTION: MAY CONTAIN FLAMMABLE SOLVENTS. KEEP AWAY FROM SPARKS AND OPEN FLAMES. IN CONFINED AREAS WORKMEN MUST WEAR FRESH AIRLINE RESPIRATORS. HYPERSENSITIVE PERSONS SHOULD WEAR GLOVES OR USE PROTECTIVE CREAM. ALL ELECTRONIC EQUIPMENT AND INSTALLATIONS SHOULD BE MADE AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. IN AREAS WHERE EXPLOSION HAZARDS EXIST, WORKMEN SHOULD BE REQUIRED TO USE NONFERROUS TOOLS AND TO WEAR CONDUCTIVE AND NONSPARKING SHOES

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