

### PRODUCT DESCRIPTION

Stonhard HT Primer is a two-component, epoxy based priming system. It is applied to a properly prepared surface prior to the application of the appropriate Stonhard overlayment. The use of HT Primer ensures a secure bond between the substrate and the overlayment, reduces absorption of the overlayment's liquids (epoxy resin/curing agent) and makes the application of the overlayment easier.

### USES, APPLICATIONS

Stonhard's HT Primer is designed for use with Stonhard's flooring systems, i.e., Stonkote GS<sup>4</sup>, HT<sup>4</sup>, SL, Stonclad HT, Stonchem 441, Stonchem 500 & 600 series. See the Primer Selection Guide for the appropriate selection.

### PACKAGING

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

- 1 carton containing:
  - 6 foil bags of Amine
  - 6 poly bags of Resin

### COVERAGE

One unit of HT Primer will cover approximately 55.75 m<sup>2</sup> of relatively smooth surface. A batch of HT Primer is made up of one foil bag of amine and one poly bag of resin. Each batch will cover approximately 9.29 m<sup>2</sup>. Since each batch has been proportioned to cover a specific area, the installer should make certain that each single batch is NOT used to cover a larger area. Also, on very rough surfaces, a batch of HT Primer may not cover a full 9.29 m<sup>2</sup>. The rougher the surface, the less total area a batch will cover. It is important to get complete coverage without leaving pools of HT Primer material in depressions.

### STORAGE CONDITIONS

Store all components of HT 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.

### 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
Tensile Strength (ASTM D-638)	39 N/mm <sup>2</sup>
Tensile Modulus (ASTM D-638)	0.6 x 10 <sup>3</sup> N/mm <sup>2</sup>
Percent Elongation (ASTM D-638)	14%
V.O.C. (ASTM D-2369, Method E)	57 g/l

\* Tested as part of the Stonclad HT 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.

### MIXING

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 1 ½ to 2 minutes.

**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.

### POT LIFE

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

### APPLYING

HT Primer may be applied by a rubber squeegee, a brush or a medium nap roller. It is important to obtain the proper coverage and not allow the material to puddle in holes or depressions. The open time for HT Primer is approximately one hour at 25°C.

### CURING

The cure time for HT Primer is approximately 6 - 8 hours at 25°C. At this time, overlayment can begin.

## PRECAUTIONS

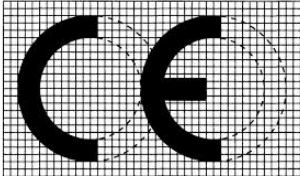
- Both liquids are skin and eye irritants – avoid contact.
- The selection of proper protective clothing and equipment will significantly reduce the risk of injury. Body covering apparel, safety goggles or safety glasses and impermeable gloves are required.
- In case of contact, flush the area with copious amounts of water for 15 minutes and seek medical attention. Wash skin with soap and water.
- Use only with adequate ventilation.
- HT 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 HT Primer are available online at [www.stonhard.com](http://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 3.3** and fulfill the requirements of the given mandate of the Construction Products Regulation no. 305/2011

	
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EC-DOP-2013.09.003	
EN 13813 SR-B2.0	
Synthetic resin primer system for use internally in buildings <sup>1</sup> (system as per Product Data Sheet)	
Release of corrosive substances:	SR
Adhesion strength by pull-off test:	> B2.0
Chemical resistance:	CRG <sup>2</sup>
<sup>1</sup> Tested as part of a system build-up with Stonclad HT <sup>2</sup> 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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