

### PRODUCT DESCRIPTION

Stonchem 800 Series Primer is a two-component, highly cross-linked, vinyl ester priming system that penetrates into concrete and reduces porosity. It is applied to a properly prepared surface prior to application of the appropriate Stonhard lining system. The use of Stonchem 800 Series Primer ensures a secure bond between the substrate and the lining system, it reduces absorption of the lining system's liquids by sealing concrete porosity and makes the overall application of the lining system easier.

### USES, APPLICATIONS

Stonchem 800 Series Primer is designed for use with Stonhard's 700 Series and 800 Series lining systems. This product should be used as a priming coat prior to application of any of the above systems.

### PACKAGING

Stonchem 800 Series Primer is packaged in units for easy handling. Each unit consists of one carton containing:

- 2 jars of peroxide
- 2 cans of resin

### COVERAGE

One unit of Stonchem 800 Series Primer will cover approximately 27.88 m<sup>2</sup> over a relatively smooth surface.

A batch of Stonchem 800 Series Primer is made up of one container of peroxide and one container of resin. Each batch will cover approximately 13.94 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 Stonchem 800 Series Primer may not cover a full 13.94 m<sup>2</sup>. The rougher the surface, the less total area a batch will cover.

### STORAGE CONDITIONS

Prior to mixing, Stonchem 800 Series Primer components must be stored between 16 to 30°C in a dry area and out of direct sunlight. When stored in the unopened container at the proper temperature, the shelf life is 6 months.

### 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. Laitance and unbonded cement particles must be removed by mechanical methods, i.e., abrasive blasting or scarifying. Other contaminants may be removed by scrubbing with a heavy-duty industrial detergent

(Stonkleen DG9) and rinsing with clean water. The surface must show open pores throughout and have a sandpaper texture. For recommendations or additional information regarding substrate preparation, contact Stonhard's Technical Service Department.

### MIXING

Empty the contents of peroxide and resin into a clean mixing container. Mix with a slow-speed drill and Jiffy Mixer for 1 ½ to 2 minutes.

**Note:** Do not start mixing until the surface is properly prepared and dry, with the temperature of both the Stonchem 800 Series Primer and the surface at least 16°C.

### POT LIFE

After mixing, Stonchem 800 Series Primer has a working time of approximately 30 minutes at 25°C. The working time may vary depending upon ambient and surface conditions.

### APPLICATION

Stonchem 800 Series Primer may be applied by brush or medium nap roller. It is important to obtain the proper coverage and not allow the material to puddle in holes or depressions.

### RECOMMENDATIONS

- Stonkleen DG10 is recommended as an industrial detergent for removal of most contaminants.
- Apply only to clean, sound, dry and properly prepared substrate.
- Minimum ambient and surface temperature is 13°C at the time of application.
- Maximum surface temperatures should not exceed 32°C during application.
- 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 recommended guidelines.

## PRECAUTIONS

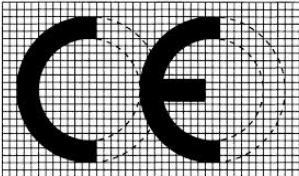
- Avoid contact with Stonchem 800 Series Primer peroxide and resin, as they may cause skin, respiratory and eye irritation.
- Toluene or Xylene solvents are recommended for clean up of Stonchem 800 Series Primer resin (vinyl ester resin and styrene monomer) and peroxide (catalyst/organic peroxide) material spills. Use these materials only in strict accordance with the manufacturers' recommended safety procedures. Dispose of waste materials in accordance with government regulations.
- The use of NIOSH/MSHA approved respirators using an organic vapour/acid gas cartridge is mandatory.
- The selection of proper protective clothing and equipment will significantly reduce the risk of injury. Body covering apparel, safety goggles and impermeable gloves are highly recommended.
- 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.
- If material is ingested, immediately contact a physician. **DO NOT INDUCE VOMITING.**
- Use only with adequate ventilation. Inhalation of vapours may cause severe headaches, nausea and possibly unconsciousness.

## NOTES

- Material Safety Data Sheets for 800 Series Primer are available on line at [www.stonhard.com](http://www.stonhard.com) 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

## 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-labelled as **per Annex ZA., Table ZA.1.5 and 3.3** and fulfil the requirements of the given mandate of the Construction Products Regulation no. 305/2011

	
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EC-DOP-2013.09.010	
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 Stonchem 800 series <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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