

PRODUCT DESCRIPTION

Stonhard Penetrating 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 to ensure a secure bond between the substrate and the overlayment in environments that have been contaminated. The Penetrating Primer resists contamination from motor or vegetable oils as well as hydraulic fluids and permeates any layer of oils to increase the bond to concrete.

USES, APPLICATIONS

Stonhard Penetrating Primer is designed for use with most of our flooring and lining systems. Contact Stonhard's Technical Service Department for specific recommendations

PACKAGING

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

- 1 carton containing:
 - 2 cans of Amine
 - 2 cans of Resin

COVERAGE

One unit of Penetrating Primer will cover approximately 55.75 m² of relatively smooth surface. A mix of Penetrating Primer is made up of one can of amine and one can of resin. Each mix will cover approximately 27.87 m². Since each mix has been proportioned to cover a specific area, the installer should make certain that each single mix is NOT used to cover a larger area. On very rough surfaces, a mix of Penetrating Primer may not cover a full 27.87 m². The rougher the surface, the less total area a mix will cover. It is important to get complete coverage without leaving pools of Penetrating Primer material in depressions

STORAGE CONDITIONS

Store all components of Penetrating 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. The substrate must be dry and free of all wax, 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 (Stonklean TD9) 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. It is important to note that the use of the Penetrating Primer does not reduce the need for complete surface preparation, including a thorough degreasing with TD9.

MIXING

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

Empty the contents of Part A (curing agent) and Part B (resin) into a clean mixing container. Mix with a slow-speed drill and Jiffy Mixer for 1½ to 2 minutes.

POT LIFE

After mixing, Penetrating Primer has a working time of approximately 35 minutes at 25°C. The working time may vary depending upon ambient and surface conditions.

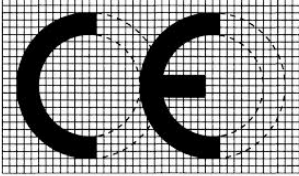
APPLYING

Penetrating 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 as the material may foam. Application of certain Stonhard overlayments may be completed before the primer cures. It is also acceptable to allow the Penetrating Primer to cure before installing certain overlayments. The appropriate primer must be used in conjunction with Penetrating Primer and is determined by the Stonhard overlayment being installed. Simply install the primer directly over the wet or cured Penetrating Primer and then apply the system as it is designed. For Stonclad UT, it is important to wait at least 2 hours for the Penetrating Primer to set up before applying the UT mortar. If the overlaying system requires Urethane Primer, the Penetrating Primer must cure overnight before installation can continue. Penetrating Primer will be tack free in approximately 3 hours at 25°C.

Note: Contact Stonhard's Technical Service Department for questions related to specific flooring or lining system requirements

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-2013.09.005
EN 13813 SR-B2.0
Synthetic resin primer system for use internally in buildings ¹ (system as per Product Data Sheet)
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 Stonclad GS 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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