

PRODUCT DESCRIPTION

Stonglaze VSE Basecoat is a two-component, liquid-applied, urethane membrane for use on vertical applications as a positive moisture barrier or as a crack-bridging isolation layer.

SYSTEM OPTIONS

Antimicrobial

Stonplus PROTECT is an antimicrobial, organic thione compound that acts as a long-lasting bacteriostat and fungistat to protect the floor against a broad range of gram-positive and gram-negative bacteria and fungi.

Stonplus PROTECT is EPA registered and contains no heavy metals.

PRODUCT ADVANTAGES

- High solids
- Excellent bond strength ensures superior adhesion
- Excellent low-temperature property retention
- Seamless and monolithic
- Permanently elastic
- Non-deteriorating
- Easily applied to vertical surfaces
- Factory-proportioned packaging ensures consistent, high quality, and simplified mixing

PACKAGING

Stonglaze VSE Basecoat is packaged in units for easy handling. Each unit consists of:

1 carton of Stonglaze VSE Basecoat polyol containing:
6 poly bags of Stonglaze VSE Basecoat polyol

1 carton of Stonproof ME7/Stonglaze VSE Basecoat isocyanate containing:
6 poly bags of Stonproof ME7/Stonglaze VSE Basecoat isocyanate

COVERAGE

Approximately 600 sq. ft./55.74 sq. m per unit at an application thickness of 10 to 12 mil/254 to 305 microns.

STORAGE CONDITIONS

Store Stonglaze VSE Basecoat at 65 to 85°F/18 to 30°C in a dry area. Avoid excessive heat and do not freeze. The shelf life is 2 years in the original, unopened container.

SUBSTRATES/PREPARATION

When used in conjunction with its appropriate primer, Stonglaze VSE Basecoat is suitable for use over wall board, wood, metal and concrete substrates. These substrates must be clean, dry, and free of any laitance or unbonded materials.

Any wall board surface must be finished to a level 1, 2, or 3 drywall finish with an appropriate spackle compound (green board and cement board will require water-resistant drywall compound or setting compound). To ensure excellent, long-term performance, it is critical that Stonglaze VSE Basecoat is never installed over a level 4 or 5 drywall finish.

Concrete block walls (CMU) must be given sufficient time for the mortar to fully cure. Excess mortar and any residual laitance or debris must be removed by mechanical means prior to installing Stonglaze VSE Basecoat.

Formed or poured concrete walls must be prepared by mechanical means to remove any laitance or efflorescence and provide a sandpaper texture suitable for bonding.

Previously painted substrates must be inspected to determine the level of drywall finish (for wall boards) and the type of paint. Stonglaze VSE Basecoat will bond well to prepared epoxy paints, but will not bond to latex, oil, urethane, or acrylic paints. If upon inspection, a level 4 or 5 drywall finish, or one of the previously mentioned paints is found, it must be removed by mechanical means prior to application of the Stonglaze system.

PATCHING

For proper membrane application, all cavities and voids in the concrete should be filled with a patching compound (Stonset PM5 is recommended) prior to priming to make the surface as smooth as possible.

PHYSICAL CHARACTERISTICS

Tensile Strength.....	1,200 psi
(ASTM D-412)	
Elongation.....	200%
(ASTM D-412)	
Hardness	70
(ASTM D-2240, Shore A)	
Suggested Application Thickness	10-12 mil
Theoretical Coverage	600 sq. ft./55.74 sq. m
VOC Content	10 g/l
(ASTM D-2369)	
Pot Life	20 minutes
(@ 70°F/21°C)	
Cure Rate	12 hours for tack-free
(@ 70°F/21°C)	

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.

PRIMING

Priming for wall board applications, including sheetrock, green board, and paperless drywall, Primer 180 should be used to ensure proper adhesion and serve as a sealer coat between the Stonglaze coating and the substrate. The coverage for Primer 180 will be approximately 400 sq. ft./37.16 sq. m per unit over any of the wall boards mentioned. For concrete and concrete masonry unit (CMU) walls, Stonglaze E4 should be used as a primer. The coverage for Stonglaze E4 will fall between 250 to 400 sq.ft/23.23 to 37.16 sq. m per unit depending on the condition and porosity of the substrate.

MIXING

The components of Stonglaze Basecoat are mixed just prior to use and must be applied immediately. Mixing is accomplished as follows:

Stonglaze VSE Basecoat

1. Premix the polyol in the bag for 30 seconds ensuring a homogenous state.
2. Pour the contents of one bag of Polyol and one bag of isocyanate into a 5-gallon/18.93-liter bucket or appropriate mixing container.
3. Using a heavy-duty, slow-speed drill (400-600 rpm) with a mixing paddle or Jiffy mixer, mix the Polyol and Isocyanate for a minimum of 120 seconds until well blended.

APPLYING

Stonglaze VSE Basecoat

Stonglaze VSE Basecoat must be applied immediately after mixing the two components. The Basecoat may be applied using a 3/8 in. to 1/2 in./10 mm to 13 mm nap roller. Dip and roll the basecoat onto the wall surface at a thickness of 10 to 12 mils/250 to 300 microns (wft). Immediately after rolling the coating on the wall, a saturated nap roller should be used to remove roller lines and drips. Finish roll in one direction only, picking the roller up between passes.

If a thicker finish is required, additional layers of Stonglaze VSE Basecoat may be applied per the above method once the first layer has cured. Installing the Basecoat thicker than 15 mils in one coat is not recommended and may result in drips and runs.

Spray Application

To spray Stonglaze VSE Basecoat, suitable NIOSH-approved respirators should be worn by all personnel in the area. Stonglaze VSE Basecoat can be spray applied in a single application at a thickness ranging from 10 to 15 mil/254 to 380 microns (WFT.) Spray applying this material should be done using the Graco King System or comparable equipment with the following specifications:

63:1 pump - 2 1/2 gallons per minute
0.019 - 0.035-inch spray tip
3,000 - 4,000 psi spray tip pressure

It is recommended that the spray equipment be purged with Xylene every 30 minutes of use to avoid potential line damage. It should also be noted that the finished texture of a sprayed surface will be much smoother than the orange peel texture that is associated with roller applications. For more information on spraying Stonglaze VSE Basecoat, contact Stonhard's Technical Service Department.

NOTES

- Material Safety Data Sheets for Stonglaze VSE Basecoat are available online at www.stonhard.com under Products or upon request.
- A staff of technical service engineers is available to assist with 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.

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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