

PRODUCT DESCRIPTION

Stondri MVT is a two component, high-solids, epoxy system designed to suppress excess moisture in concrete prior to an overlayment.

USES

Stondri MVT is designed for use under all Stonhard products where issues caused by moisture vapor are a concern. Stondri MVT is also formulated to be suitable in "green" concrete applications.

PACKAGING

Stondri MVT is packaged in units for easy handling. Each unit consists of:

Stondri MVT

- 1.025 carton containing:
- 6 bags of Amine
 - 6 bags of Resin

Stonflex MN7 Part C

- 0.0750 carton containing:
- (2) 1 gallon cans of Thixatropo

COVERAGE

One unit of Stondri MVT will cover approximately 27 m² over a relatively smooth substrate at 381-406 micron. **THE PRODUCT MUST BE INSTALLED AT A MINIMUM THICKNESS OF 381 MICRON!** Failure to do so will limit the product's performance.

STORAGE CONDITIONS

Store all components of Stondri MVT 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

Stondri MVT is suitable for applications over concrete only. All other overlayments or coatings must be removed by mechanical means to expose concrete surfaces.

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.

Note: Any large cracks and voids must be pretreated with the Stondri mixed with stonflex MN7 Part-C. The thickend material can be used as a patching compound.

MIXING

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.

For Stondri MVT, empty the contents of the amine and resin into a clean pail and mix with a slow-speed drill and a jiffler mixer for 90 seconds.

PHYSICAL CHARACTERISTICS

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| Pot Life (@ 21°C) | 15 minutes |
| Application Temperature Range | Ambient and substrate temperatures should be between 16°C and 32°C |
| Tensile Strength (ASTM D-638) | 30 N/mm ² |
| Tensile Modulus (ASTM D-638) | 1.3 x 10 ³ N/mn ² |
| Percent Elongation (ASTM D-638) | 12% |
| V.O.C. (ASTM D-2369) | 25 g/l |
| Cure Rate | 8-10 hours for tack-free surface and recoat 24 hour maximum recoat window |
| Permeance (ASTM E96 at 0.4 mm on concrete) | 0.1 perms |

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.

POT LIFE

After mixing, Stondri MVT has a working time of approximately 15 minutes at 25°C. The working time may vary depending upon ambient and surface conditions.

APPLYING

Stondri MVT is applied using a 381 micron notched rubber squeegee. Pour a bead of Stondri MVT out onto the substrate and, utilizing a 381 micron notched squeegee with heavy pressure, apply the material at a MINIMUM of 381 micron. A saturated nap roller should be used in conjunction with this step to even out the material and ensure the proper thickness. Use a wet film gauge to record thickness.

Note : To help ensure proper coverage, be sure each mix of material yields 7m² At this coverage, and the expected coverage per unit, the material should be applied at the appropriate minimum mil thickness.

CURING

Stondri MVT must be fully cured prior to overlaying. The cure time for Stondri MVT is approximately 8-10 hours at 25°C and may vary depending on ambient and surface conditions.

INSPECTION

Afer cure, the Stondri MVT must be, inspected and any pinholes found must be patched using Stondri MVT mixed with Stonflex MN7 Part C.

RECOMMENDATIONS

- Stonkleen TD9 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 a 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

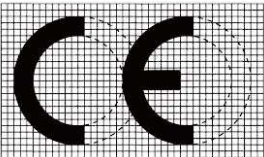
- Both liquid components A and b are skin and eye irritants; avoid contact.
- The use of safety glasses and impervious gloves is required during application.
- In case of contact, flush the area with copious amounts of clean water for 15 minutes and seek medical attention. Wash skin with soap and water.
- Use only with adequate ventilation.

NOTES

- Safety Data Sheets for Stondri MVT are available on line at www.stoncor-europe.com under Products 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-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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| StonCor Europe Rue du Travail 9 1400 Nivelles, Belgium 13 | |
| DOP-2013.10.003 | |
| EN 13813 CT-B2.0 | |
| Synthetic resin flooring system for use internally in buildings (system as per Product Data Sheet) | |
| Release of corrosive substances: | CT |
| Adhesion strength by pull-off: | > B2.0 |
| Chemical resistance: | CRG ² |
| ¹ Tested as part of a system build-up with Stonfil OP2 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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