

PRODUCT DESCRIPTION

Stonproof CT5 is a two-component, flexibilized, epoxy membrane designed exclusively for use in the isolation of dynamic cracks. Stonproof CT5, in conjunction with a 10 oz. fiberglass engineering fabric, comprises our Stonproof Crack Treatment System. Stonproof CT5 is compatible with most floor systems and exhibits excellent adhesion and hardness to handle heavy traffic areas.

PRODUCT ADVANTAGES

- 100% solids
- Compatible with most floor systems
- Excellent bond strength for good adhesion
- Factory proportioned packaging ensures consistent, high quality, and simplified mixing

PACKAGING

Stonproof CT5 is packaged in units for easy handling. Each unit consists of:

1 carton containing:

- 6 foil bags of Amine
- 6 poly bags of Resin
- 25 cm wide roll of 283.5 gr. engineering fabric

COVERAGE

Approximately 30 m² per unit.

STORAGE CONDITIONS

Store Stonproof CT5 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.

PRIMING

Priming for Stonproof CT5 is generally not necessary. However, where bonding is questionable, priming the substrate with HT Primer is recommended. Allow the HT Primer to cure prior to overlaying.

PHYSICAL CHARACTERISTICS

Cure Rate (@25°C)	5 to 6 hours for tack-free surface
Pot Life (@25°C)	30 minutes
Coverage	30 m ² per unit
Elongation (ASTM C-307)	100%
Hardness (ASTM D-2240, Shore A)	70

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.

MIXING

Stonproof CT5 is supplied in pre-measured quantities. Mixing must be achieved by mechanical means. Mechanical mixing should be done using a heavy-duty, slow-speed drill (400 to 600 rpm) with a mixing blade. Empty contents of resin into a mixing container and pre-mix to assure the suspension of solids. Add amine and continue to mix to a uniform consistency for approximately 3 minutes. Avoid high-speed mixing that will entrain air bubbles. Thorough mixing of the two components is required.

APPLICATION

Stonproof CT5 can be applied at ambient temperatures of 16 to 30°C. Stonproof CT5 must be applied immediately after mixing the two components. Stonproof CT5 is applied at 762 µm with a 762 µm mil notched squeegee in a 12 in. wide path straddling the dynamic crack and following the course of the crack. The 25 cm wide, 283.5 gr. woven roving is placed in the surface of the Stonproof CT5 and lightly saturated with a medium nap roller.

Note: In thermal shock areas or under a urethane mortar (UT, UR or TG6), the Stonproof CT5 should be broadcasted to refusal with Texture 3. This will ensure a mechanical bond between the Stonproof RH7 and the overlayment.

Note: Care must be taken not to push the woven roving into the CT5. It is designed to be on the surface of the membrane. Any questions regarding the application of Stonproof CT5 should be directed to Stonhard's Technical Service Department.

CURING

The surface of Stonproof CT5 will be tack-free in 5 to 6 hours at 25°C. Ultimate physical characteristics will be achieved in 7 days.

RECOMMENDATIONS

- Apply only on a clean, sound and properly prepared substrate.
- Minimum ambient and surface temperature is 16°C at the time of application.
- Do not use water or steam in the vicinity of the application. Moisture can seriously affect the working time and properties of the material.
- Application and curing times are dependent upon ambient and surface conditions.

PRECAUTIONS

- Toluene or Xylene solvents are recommended for clean up of unreacted Stonproof CT5 material. The reacted materials must be removed by mechanical means. Use these materials only in strict accordance with the manufacturer's recommended safety procedures.
- Dispose of waste materials in accordance with government regulations.
- 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.

NOTES

- Material Safety Data Sheets for Stonproof CT5 are available on line 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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