

STONPROOF® CT5-659

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 250gm 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.

USES

Stonproof CT5, in conjunction with the 250gm engineering fabric, effectively eliminates dynamic crack propagation through the overlayment.

PRODUCT ADVANTAGES

- 100% Solids.
- Compatible with most flooring systems.
- Excellent bond strength assures good adhesion.
- Factory proportioned packaging ensures consistent, high quality and simplified mixing.

PACKAGING

Stonproof CT5-659 Is packaged in 2 litre units for easy handling.
Engineered Fabric: 1 roll SC-GSB250

COVERAGE

Approximately 10 linear metres / 2 litre kit / 300mm wide.

REFERENCE SAMPLE

A trial reference sample should be installed by the applicator prior to start of contract to ensure correct coverage and workmanship.

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 2 years in the original, unopened container.

TYPICAL PROPERTIES AT 25°C

Cure Rate	5 to 6 hours - tack-free surface
Pot Life	30 Minutes
Coverage	10lm/2lt/300mm wide
Elongation (ASTM C-307)	100%
Hardness (ASTM D-2240, Shore A)	70
Bond Strength (ASTM D-7234)	>2.7 MPa 100% concrete failure
VOC Content	20g/l

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, values obtained on the field applied materials may vary.

APPLICATION

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 (Carboclean 250) and rinsing with clean water. The surface must show open pores throughout and have a 80-grit sandpaper texture. For recommendations or additional information regarding substrate preparation, contact StonCor Africa Technical Service Department.

PRIMING:

Prime the substrate with Stonprime 786 OPR Primer at 3 - 4m²/litre, ensuring no resin pools exist in the cavities. Allow the primer to cure prior to overlaying. Overcoat within 16 hours of curing.

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 mechanical mixer (400 to 600 rpm) with a Spiral Mixer. Empty contents of Part B into a mixing container and pre-mix to assure the suspension of solids. Add Part A 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.

POT LIFE:

After mixing, Stonproof CT5 has a working time of 30 minutes at 25°C. The working time may vary depending upon ambient and surface conditions.

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 0.7m with a 2mm notched trowel in a 300mm wide path straddling the dynamic crack and following the course of the crack. The 250mm wide, 250gm woven glass is placed on the surface of the Stonproof CT5 and lightly saturated with a medium nap roller.

Note: Care must be taken not to push the woven roving fabric 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 StonCor Africa Technical Service.

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 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:

- Carboline Thinner # 2 or # 10 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 use of NIOSH/MSHA approved respirators using an organic vapor/acid gas cartridge is recommended.
- The use of safety glasses and impervious gloves is required during application.
- 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 online at www.stonhard.com under Tech Info 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.