TITAN® Structural Reinforcement

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PRODUCT DATA

TITAN® CRACK & MORTAR JOINT FILLER

MOISTURE INSENSITIVE EPOXY

GENERAL DESCRIPTION

Titan® Crack & Mortar Joint Filler Epoxy is a two-component, 100% solid, epoxy resin system which has a unique high modulus of elasticity. It is formulated to meet ASTM C-881 cured property requirements. It exhibits thixotropic, non-flowing characteristics in the uncured state. Thusly, it can be injected into larger cracks (greater than 1/4 inch wide) in walls and slabs without flowing out of these cracks. Even though the Titan® Crack & Mortar Joint Filler will not flow after injection, it is formulated without fillers so that it can be easily injected into a crack even with a manual dual component dispensing tool at under 50 psi of force (using the included mixer).

USES

A) Structural repair of cracked concrete by pressure injection, grouting.
B) Monolithic restoration of delaminated concrete.

C) Grouting material when mixed with aggregate.

TECHNICAL DATA

PHYSICAL PRORERTIES AFTER CURE OF 14 DAYS @75°F AT 50% R.H.

Titan® Crack & Mortar Filler Epoxy		Test Method
Tensile Strength	8500	ASTM D-638
Tensile Elongation	2 - 4%	ASTM D-638 modified
Compressive Strength	12,000	ASTM D-695
Compressive Modulus	500,000	ASTM D-695 (28 days)
Shear Strength	5100	ASTM D-732
Deflection temp: @ 264 psi	126°F	ASTM D-648
Bond Strength	2800	ASTM D-881

PRODUCT DATA (cont'd)

SURFACE PREPARATION

Surfaces must be structurally sound, clean, dry and free of contaminates. Remove defective concrete, cavities, and other defects by routing to sound material. If necessary, sandblast or acid-etch surfaces to provide a clean, absorptive substrate.

APPLICATION

Remove cap and plugs from the Titan® Crack & Mortar Joint Filler epoxy cartridge, attach a mixing tube to the cartridge and insert the epoxy cartridge into the dual 'Jake' dispensing gun. Dispense a small amount onto a paper plate or piece of cardboard until epoxy in mixer has mixed completely, turning gray.

Completely fill in the crack or mortar joint in your foundation wall. The epoxy will harden in the mixing tube if it sits for more than 10 minutes, so continue until all mortar joints are filled or until the dual cartridge is empty.

Use a plastic trowel to smooth out the epoxy evenly when filling in each groove.

NOTE: If using as part of the Titan® Carbon Fiber Strap Kit, The carbon fiber straps should not be installed over the vertical grout groves.

PRECAUTIONS

Do not apply in temperatures below 40°F or to frozen, frost filled or damp surfaces. Use with adequate ventilation. Titan® Crack & Mortar Joint Filler contains an alkaline amine. Avoid breathing vapors and prolonged contact with the skin. Strong sensitizer; MAY CAUSE SKIN SENSITIZATION or allergic response ranging from a mild wheezing to a severe asthmatic type attack. Avoid contact with skin or eyes. IN CASE OF CONTACT immediately wash skin with soap and water. Flush eyes with water and obtain medical attention. WEAR PROTECTIVE CLOTHING and GOGGLES KEEP OUT OF REACH FROM CHILDREN AND PETS.

DO NOT USE SOLVENTS TO THIN. USE ONLY OVEN DRIED AGGREGATE TO MAKE MORTAR. Maximum thickness is 1- 1/2 inches per lift.

LIMITED WARRANTY

Emecole Metro, LLC (TITAN®) warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. The purchaser must examine the product when received and promptly notify Emecole Metro, LLC in writing of any nonconformity before the product is used and no later than 30 days after such non-conformity is first discovered. If Emecole metro, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty.

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