

ERGTM 200

Two Component Epoxy Resin Grout



Building
&
Transportation



Oil, Gas
&
Industrial



Offshore
&
Onshore



Water
&
Wastewater



PRODUCT DESCRIPTION

CTech-LLC[®] ERGTM200 grout is a two component, modified epoxy resin-based grout. The material exhibits excellent adhesion to concrete or steel that is properly prepared. ERGTM200 is specially formulated injection or gravity feed and will penetrate and fill voids, cracks, and fissures.

ADVANTAGES

- Structural grade epoxy that can be used under sustained loads.
- For use in a wide range of application environments
- Low viscosity helps to penetrate fine cracks
- Simple mix ratio for ease of use in the field
- Fast cure rate for rapid return to service
- Superior adhesion

TYPICAL USES

- Grouted baseplates under compressors, generators, pumps, cement mills and other vibrating and rotating machinery
- Thin bed repair grout applications
- Repair of cracked concrete
- Precast pile bonding
- Bonding post-tensioned beams
- Epoxy resin binder for epoxy mortar patching of voids

TECHNICAL DATA

	Unit	ERG TM 200
Density	Kg/m ³	1100
Working Time (32 °c)	Minutes	10-20
Shrinkage (7 day)	-	-0.0063
Tensile Strength (7 day)	MPa	14
Flexural Strength (7 day)	MPa	30
Mixing Ratio (Parts A:B) by Volume	-	2:1

INSTALLATION PROCEDURE

PREPARATION OF SUBSTRATE

All surfaces to be in contact with ERGTM200 product shall be free of oil, grease, laitance and other contaminants. Concrete must be clean, sound, dry and roughened to ensure a good bond. Formwork shall be constructed of rigid non-absorbent materials, securely anchored, liquid-tight and strong enough to resist forces developed during grout placement. The clearance between formwork and baseplate shall be sufficient to allow for a head box. The clearance for remaining sides shall be 25-50 mm. Areas where bond is not desired must be treated with paste wax or polyethylene. Isolation joints may be necessary depending on pour dimensions.

MIXING

For optimum performance, all components should be conditioned to between 21°C and 27°C prior to use. Pour all Component B (hardener) into pail containing Component A (grout resin). Mix thoroughly by hand with a paddle or with a slow speed drill and paddle mixer to avoid air entrapment.

APPLICATION

ERGTM product may be poured into place. Note that all grout shall be placed from one side to the other, maintaining contact with the bottom of the baseplate at all times.

STORAGE & SHELF LIFE

Two years in original unopened packaging when stored in dry conditions; high relative humidity will reduce shelf life.

CAUTION

This product may cause skin irritation. Do not inhale vapors. Provide adequate ventilation. Protect against contact with skin and eyes. Wear rubber gloves, long sleeve shirt, goggles with side shields. In case of contact with eyes, flush repeatedly with water and contact a physician. Areas of skin contact should be promptly washed with soap and water. Do not take internally.

CTech-LLC[®]

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IMPORTANT NOTE:

Before using any CTech-LLC[®] product, the user must review the most recent version of the product's technical data sheet, material safety data sheet and other applicable documents, available at www.ctech-llc.com.

WARANTY:

CTech-LLC[®] warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within one month of the date of purchase. CTech-LLC[®] shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory. The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before utilizing.