

ERMTM

Epoxy Repair Mortar



Building
&
Transportation



Oil, Gas
&
Industrial



Offshore
&
Onshore



Water
&
Wastewater



PRODUCT DESCRIPTION

CTech-LLC[®] Epoxy Repair Mortar (ERMTM) is an incredibly tough, three component epoxy resin-based mortar for repairing damaged, dished or dangerous concrete or stone floors. It is supplied in pre weighed packs ready for on-site mixing and use, giving consistent properties and performance.

ADVANTAGES

- Based on a combination of epoxy resins and selected high strength aggregates.
- Ideal for the rapid repair of damaged concrete
- Excellent mechanical properties
- High strength and excellent adhesion to its substrate
- Shrinkage compensated, and crack free
- Suitable for both dry and damp surfaces
- Inside and outside use
- Simple mixing techniques

TECHNICAL DATA

	Unit	ERM TM
Appearance / Colors	-	Part A: white paste Part B: gray paste Part C: powder Parts A+B+C mixed: gray
Chemical Base	-	Epoxy resin
Density	kg/l	~1.45 (Part A+B+C mixed) (at +25°C)
Layer Thickness	mm	Max 40
Change of Volume	-	Hardens without shrinkage.
Compressive Strength (7days)	MPa	35
Mixing Ratio (Parts A:B:C) by Weight	-	2:1:2
Substrate Temperature	°C	Minimum: +10 Maximum: +40
Pot Life	min	~ 60 @ +25°C

TYPICAL USES

Suitable for the repair of concrete surfaces damaged due to spalling caused by poorly compacted concrete, incorrectly positioned rebars,

corrosion of rebars, cracking, settling, honeycombing or incorrect placement techniques.

INSTALLATION PROCEDURE

PREPARATION OF SUBSTRATE

Remove all laitance, spalled concrete, grease, oil, dust and other contaminants by scabbling or bush hammering, to provide a sound, clean substrate. Prime the surface with a suitable material. Ensure that the surface is thoroughly wet and that there is a continuous film of primer over the surface.

MIXING

ERMTM epoxy repair mortar is supplied as a three component pack. Each component is pre-weighed and ready to mix. Pour the contents of the curing agent container into the base container and mix thoroughly by spatula or low speed drill/stirrer for 2-3 minutes. Then add the aggregate & continue mixing until homogeneous mortar is achieved.

APPLICATION

ERMTM epoxy repair mortar shall be placed whilst the primer is still 'tacky'. Place the ERMTM epoxy repair mortar by tamping and trowelling to ensure good compaction and a tight finish.

STORAGE & SHELF LIFE

12 months after manufacturing date in original unopened packaging when stored in dry conditions; high relative

humidity will reduce shelf life. Protect from direct sunshine.

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.