

PRMTM500

Polymer-modified Repair Mortar for Use in Contact with Potable Water



Building
&
Transportation



Oil, Gas
&
Industrial



Offshore
&
Onshore



Water
&
Wastewater



PRODUCT DESCRIPTION

CTech-LLC[®] PRMTM500 is a two-component, high quality polymer modified cement-based mortar for concrete repairing. PRMTM500 is easy to apply product designed for the structural repair of concrete elements where potable (drinking) water is present.

ADVANTAGES

- Cement-based structural repair mortar.
- Specifically formulated for restoration of concrete where potable (drinking) water is present.
- Containing antibacterial minerals.
- Regulation 31 potable water certified.
- Polymer modified.
- Easy to apply.
- Shrinkage compensated.
- Can be applied at 10-50mm in thickness per layer.
- High performance for extreme durability and protection of embedded reinforcement.

TECHNICAL DATA

	Unit	PRM TM 500
Compressive Strength	MPa	60
Tensile Strength	MPa	3.657
Flexural Strength	Mpa	11.6
Working Life (approx.) at 20°C	mins.	10
Set Time (approx.)	mins	40 to 45

TYPICAL USES

PRMTM500 is a most durable concrete repair mortar for areas where potable (drinking) water is present.

INSTALLATION PROCEDURE

PREPARATION OF SUBSTRATE

All surfaces to be in contact with PRMTM500 product shall be free of oil, grease, laitance and other contaminants. Concrete must be clean, sound, dry and roughened to ensure a good bond.

MIXING

CTech-LLC[®] PRMTM500 liquid (Part B) and powder (Part A) must be mixed mechanically to a uniform homogeneous consistency in a clean mixing vessel using a low-speed drill (300-450 rpm) with a "Jiffy-type" or similar approved mixing paddle.

APPLICATION

Apply PRMTM500 repair mortar with a stainless steel trowel or gloved hand, pressing firmly to ensure bonding.

STORAGE & SHELF LIFE

One year from the date of manufacture 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.
