

PRM™400

Thixotropic Polymer-modified Repair Mortar



Building
&
Transportation



Oil, Gas
&
Industrial



Offshore
&
Onshore



Water
&
Wastewater



PRODUCT DESCRIPTION

CTech-LLC® PRM™400 is a two-component, high quality polymer modified cement-based mortar for patching and repairing of concrete. PRM™400 has enhanced adhesion strength and compressive strength. PRM™400 is easy to apply repair mortar with excellent adhesion to building material substrates designed for horizontal and vertical surfaces.

ADVANTAGES

- Cement-based structural repair mortar.
- Polymer-modified.
- Concrete repairs on grade, above and below grade.
- Thixotropic repair mortar.
- Excellent durability and adhesion.
- Horizontal, vertical and overhead surfaces.
- Interior and exterior service conditions.
- Easy to apply.
- High compressive and flexural strengths.
- Suitable for repairs from featheredge to 2"

TECHNICAL DATA

	Unit	PRM™400
Compressive Strength	MPa	28.5
Tensile Strength	MPa	5.5
Flexural Strength	MPa	8.27
Adhesion	MPa	>2.75
Initial Set @ 70°F	hr.	1
Final Set @ 70°F	hr.	4
Mixing Ratio (Parts A:B) by Weight	-	5:1

TYPICAL USES

PRM™400 is a most durable solution for all structural and non-structural concrete repair applications.

INSTALLATION PROCEDURE

PREPARATION OF SUBSTRATE

All surfaces to be in contact with PRM™400 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® PRM™400 must be mixed mechanically to a uniform consistency in a clean mixing vessel using a low-speed drill (300-450 rpm) with a "Jiffy-type" or similar approved mixing paddle. Premix PRM™400 Liquid (component B) first to bring any settlement of polymer solids back into suspension. Pour approximately 2 ½ quarts of PRM™400 Liquid into the mixing vessel. When mixing always add the powder component (component A) gradually to the liquid component. Thoroughly mix the complete unit for a minimum of two minutes. For desired consistency, add up to an additional ½ pint of PRM™400 Liquid and continue mixing one more minute or until a uniform homogeneous consistency is achieved.

APPLICATION

Work a scrub coat of the mixed material into the primed or SSD concrete substrate, applying enough pressure to ensure good mortar-to-concrete contact. Apply the repair mortar while the scrub coat is still wet.

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.