

# MTE™200

## Moisture Tolerant Epoxy Adhesive



Building  
&  
Transportation



Oil, Gas  
&  
Industrial



Offshore  
&  
Onshore



Water  
&  
Wastewater



### PRODUCT DESCRIPTION

CTech-LLC<sup>®</sup> MTE™200 is a moisture tolerant, 2-part adhesive, based on a combination of epoxy resins and special fillers, designed for use on concrete, cementitious, masonry and steel surfaces that have damp surfaces (e.g. from water spillages or rain) prior to installing waterproofing-tape, floor coatings, FRP composite ,etc.

Adequate product protection is essential to prevent premature failure from moisture. CTech-LLC<sup>®</sup> MTE™200 is engineered to maintain their physical strength properties, prevent degradation at the substrate adhesive interface, while providing effective sealing capability.

### TECHNICAL DATA

	Unit	MTE™200
Chemical Base	-	Epoxy Resin
Appearance	-	Part A: Viscose Clear Liquid Resin Part B: Yellowish Hazy Liquid Hardener
Viscosity	cP	Part A: 8000 at 25°C Part B: 500 at 25°C
Mixing Ratio (By weight)	-	1:1
Surface Tension	mN/m	Part A= 36 Part B= 24
Density	gr/cm <sup>3</sup>	Part A= 1.15 Part B= 1.05
Tensile Strength* ASTM D 412	MPa	
Elongation at break ASTM D 412	%	
Pot Life	Hour	1-1.5 at 25°C
Application Methods	-	brush roller trowel
Storage Conditions	°C	Store dry at 15 – 35
Application Temperature and Humidity Range	°C	From +10 to +30 RH<70%
Hardening to Traffics	Hour	24 – 48 at 25°C and RH<70%
Hardening in depth	days	7

### ADVANTAGES

- Excellent adhesion to damp surfaces.
- Easy to mix and apply
- Very good adhesion to many construction materials
- Very good mechanical strength
- Hardens without shrinkage.

### TYPICAL USES

CTech-LLC<sup>®</sup> MTE™200 designed for use at on concrete, cementitious, masonry and steel surfaces that have damp surfaces (e.g. from water spillages or rain) prior to installing waterproofing-tape, floor coatings, FRP composite ,etc.

### INSTALLATION PROCEDURE

#### PREPARATION OF SUBSTRATE

- Surface must be clean, sound, and dry. Do not apply over, contaminated, loose surfaces, old sealants, or other foreign substances that may impair adhesion.

#### Mix

- Pour entire contents of Components 'A' and 'B' into a pail.
- Mix with a low-speed drill (400–600 rpm) paddle.
- Mix for 5 minutes to achieve a uniform color and consistency.
- Let mix 10- 20 minutes to de- aerate and then diluted by water and apply

#### APPLICATION

- Apply the mixed product to the prepared substrate by brush, roller or trowel ensuring uniform and complete coverage.

#### **STORAGE & SHELF LIFE**

- Stored between 15 and 35 °C in dry place.
- Minimum shelf life in closed container is 12 months from the date of manufacture.

#### **CAUTION**

Sealants may cause skin irritation and sensitization. Use of chemical resistant gloves is recommended. Using safety goggles is necessary.

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#### **CTech-LLC<sup>®</sup>**

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#### **IMPORTANT NOTE:**

Before using any CTech-LLC<sup>®</sup> 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](http://www.ctech-llc.com).

#### **WARANTY:**

CTech-LLC<sup>®</sup> 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<sup>®</sup> 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.