

EMSTM200

Two-Component Epoxy Mastic Sealant



Building
&
Transportation



Oil, Gas
&
Industrial



Offshore
&
Onshore



Water
&
Wastewater



PRODUCT DESCRIPTION

CTech-LLC[®] EMSTM200 is a two-component mastic sealant based on flexible epoxy resins. It maintains permanent flexibility with a high bond strength that provides outstanding durability. When mixed, EMSTM200 two component epoxy mastic sealant provides a flexible, long lasting, durable waterproofing seal for both new construction and restoration projects.

TECHNICAL DATA

	Unit	EMS TM 200
Chemical Base	-	Epoxy Resin
Color*	-	Gray (mixed)
Mixing Ratio (By Volume)		2:1
Density of Mix ASTM D 1475	gr/cm ³	1.55
Tensile Strength* ASTM D 412	MPa	3.9
Elongation at break ASTM D 412	%	20
Shore A Hardness ASTM C 661	25±5	70-80
Movement Capability	%	±5
Application Methods	-	pneumatic or manual gun or towel
Storage Conditions	°C	Store dry at 4 – 40
Application Temperature Range	°C	From +5 to +35
Cure Time ASTM C-679	days	For Pedestrian traffic :1-2 For vehicle loading: 2-6

* For special orders of other colors, contact Customer Service.

ADVANTAGES

- Flexible epoxy based mastic sealant
- Movement capability of ± 5%
- Easy to gun and tool, speeding up application and making neater joints
- Good Adhesion to a wide range of substrates
- Cures to a tough, durable & elastic finish
- Two-components & convenient packing
- Easy to mix

- Good resistance to mechanical stress, chemicals, fuels, oils
- Designed for wet area applications (not standing water)

TYPICAL USES

CTech-LLC[®] EMSTM200 two component epoxy mastic sealant has been developed for sealing expansion and contraction joints in horizontal and vertical surfaces in buildings and civil engineering and hydraulic works (irrigation canals, water supply systems, tanks, airport runways, etc.).

INSTALLATION PROCEDURE

PREPARATION OF SUBSTRATE

- Surface must be clean, sound, and dry. Do not apply over damp, 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 3–5 minutes to achieve a uniform color and consistency.

APPLICATION

- Apply the mixes sealant by using a pneumatic or manual gun, avoiding air entrapment.
- Place nozzle of gun into bottom of the joint and fill entire joint.
- To avoid the sealant spreading out of the joint and to leave an attractive

finish we recommend using masking tape around the joints

STORAGE & SHELF LIFE

Protect unopened containers from heat and direct sunshine. In cool or cold weather, store containers at room temperature for at least 24 hours before using. 2 year when stored in unopened containers at 24 °C and 50% relative humidity.

CAUTION

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

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.