

Technical Data Sheet
TDS-896-01995

PMS™200

One Component Polyurethane Mastic Sealant



Building
&
Transportation



Oil, Gas
&
Industrial



Offshore
&
Onshore



Water
&
Wastewater



PRODUCT DESCRIPTION

CTech-LLC® PMS™200 is a polyurethane-based, one-component mastic sealant. It maintains permanent flexibility with a high bond strength that provides outstanding durability. PMS™200 one component polyurethane mastic sealant requires no mixing and typically requires no priming to bond to many materials, including concrete and masonry.

TECHNICAL DATA

	Unit	PMS™200
Chemical Base	-	Polyurethane Resin
Color*	-	Gray
Density ASTM D 1475	gr/cm ³	1.2
Solid Content By Mass ASTM D 1259	%	80±2
Tensile Strength* ASTM D 412	MPa	2.5
Elongation at break ASTM D 412	%	800
Shore A Hardness ASTM C 661	-	25-30
Movement Capability	%	±25
Application Methods	-	pneumatic or manual gun
Consumption	ml	7.0 meters per 300 ml cartridge (6x6 mm section)
Storage Conditions	°C	Store dry at 4 – 40
Application Temperature Range	°C	From +5 to +35
Acceptable Substrate Moisture level	%	Less than 4
Curing Rate**	hours	16: 38 °C, 95% relative humidity 1 day: 21 °C, 55% relative humidity 3 days: 4 °C 50% relative humidity

* For special orders of other colors, contact Customer Service.
** Cure through times are based on a 6 mm diameter bead.

ADVANTAGES

- One-component formula requires no mixing, helping to reduce labor costs
- Easy to gun and tool, speeding up application and making neater joints
- Good Adhesion to a wide range of substrates
- Joint movement capability ±25%
- Cures to a tough, durable & elastic finish
- Single component & convenient packing

TYPICAL USES

CTech-LLC® PMS™200 one component polyurethane sealant has been developed for sealing expansion and contraction joints in horizontal and vertical surfaces.

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.

APPLICATION

- Apply PMS™200 polyurethane sealant by using a pneumatic or manual gun, avoiding air entrapment.
- Place nozzle of gun into bottom of the joint and fill entire joint.
- A 300 mL cartridge seals 7 lineal meters in 6 by 6 mm joint
- This product should be used within 24 hours of opening the sausage;

otherwise, the sealant could harden inside.

- Do not apply at a temperature under 5 °C.
- 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. 1 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.