

POLAJOINT™

Joint & Crack Sealant



DESCRIPTION

POLAJOINT is a 100% solids, two component, pourable, modified epoxy which forms a semi-hard durable joint compound. It is ideal for filling joints or cracks in concrete or steel infrastructure that have little or modest movement. POLAJOINT remains firm and hardwearing while accommodating a mild degree of movement in the structure. It is highly resistant to acids, alkalis, solvents and oils, and will maintain adhesion to the surfaces of the joint or crack.

OUTSTANDING FEATURES

- ✓ Maintains performance under high temperature conditions
- ✓ Highly resistant to mechanical damage
- ✓ Provides protection for wide cracks and joings; has fast cure time
- ✓ Exhibits good chemical resistance; prevents chemical seepage into most joints
- ✓ Has no shrinkage; produces little odor

APPLICATION

Caution! Read this entire data sheet before continuing.

All surfaces to be coated must be dry and free of loose debris, oil, paint, grease and other substances that would interfere with bond. For proper repair of irregular cracks, it may be necessary to router out the crack into

a Symmetrical "U" shape. It is advisable to prime highly porous surfaces or very dense concrete surfaces with Polaprime 21. Very deep joints or cracks need to be filled with a proper diameter backer-rod material such as Dow Ethafoam.

In a clean, dry container, mix the complete 2-part unit for at least 5 minutes with low speed mixing. Try not to entrap excessive quantities or air when mixing. After thorough mixing, POLAJOINT may be poured into the crack or joint through a pouring spout or with a refillable caulking gun. Completely fill the crack or joint. It may be necessary to top off the filled crack or joint after a few minutes of settling and air release takes place. Equipment can be cleaned with xylene or toluene BEFORE the product cures.

LIMITATIONS

In exterior situations, POLAJOINT will darken in color with time. This will not, however, adversely affect performance. Shelf life is 1 year when stored in tightly sealed containers.

MAINTENANCE

If a section of repaired joint or a repaired crack becomes damaged, prepare the area thoroughly in accordance with instructions under the Application section of this data sheet. Pour POLAJOINT into the prepared area until it flows to a level contact with the adjoining POLAJOINT areas.

PRECAUTIONS

Gloves, goggles, and barrier cream must be worn during application. Remove skin contamination as soon as possible with a resin remover. In case of eye

SPECIFICATIONS	
Sealant Type	Urethane epoxy
VOC	Zero gms/liter
Pot Life	30 minutes @ 70°F
Shelf Life	12 months
Recommended Thickness	1/2" wide x 1/2" deep
Coverage	125 lineal feet per 12-lb unit
Packaging	12 pound units
Color	Gray

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contact, flush with clear water for 15 minutes and seek immediate medical attention. If ingested, induce vomiting and seek immediate medical attention. Do not eat or smoke while handling this material or in the immediate vicinity before it is fully cured.

TECHNICAL DATA		
Working Time	30 minutes @ 70°F	
Cure Time	6 hours @ 70°F	
Total Solids Content (B.W.)	100%	ASTM D-1044
Shore 'A' Hardness	95	ASTM -D-2240
Water Absorption	Zero	ASTM D570-77
Water Vapor Transmission	5.3g/M ² /24 hours	ASTM E-96
Flashpoint	400°	FTMS 141A(M4293)
Specific Gravity	1.3	ASTM D-792
Chemical Resistance	Excellent	
Elongation	50%	ASTM D-412
Tensile Strength	5,600 psi	ASTM D-412

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