

# 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 hard-wearing 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.

| 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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Performance  
Coatings & Sealants  
Systems

### 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 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.

Keep out of reach of children and pets.

For more information, call our Technical Department.

| 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 <sup>2</sup> /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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