POURTTHANE® SL
Self-Leveling Joint Sealant

DESCRIPTION
POURTTHANE SL is an elastomeric, one-component, self-leveling, non-bubbling, premium-grade polyurethane sealant specifically developed to be used as a multi-purpose horizontal joint sealant. The product is a moisture cure sealant with excellent adhesive properties and resistance to aging and weathering.

USES
POURTTHANE SL is used to seal horizontal joints in concrete, such as sidewalks, balconies, pavement, terraces, warehouses, factories, civil structures, plazas, and runways. POURTHANE SL may also be used as a pitch pan sealant.

FEATURES/BENEFITS
- One-component, no mixing.
- Self-leveling.
- Non-bubbling formula can be applied in green or damp concrete.
- Movement capacity of +/-25%.
- Accelerated curing.
- Highly resistant to fuels, including jet fuel.
- Permanently elastic.
- High durability.
- Resists aging and weathering.
- Excellent adhesion.
- Convenient, easy-to-use packaging.
- Low VOC content.

PACKAGING
592 Millilitre (20 Oz.) Sausages
18.9 Litre (5 Gal.) Pails
208.2 Litre (55 Gal.) Drums

AVAILABLE COLOURS
Limestone, Gray, Desert Tan

COVERAGE
This chart shows the approximate number of lineal feet that can be sealed per litre. One litre is approximately 1.5 cartridges.

<table>
<thead>
<tr>
<th>Joint Depth (mm)</th>
<th>Joint Width (mm)</th>
<th>6.4 mm (1/4&quot;)</th>
<th>9.5 mm (3/8&quot;)</th>
<th>12.7 mm (1/2&quot;)</th>
<th>15.9 mm (5/8&quot;)</th>
<th>19.1 mm (3/4&quot;)</th>
<th>22.2 mm (7/8&quot;)</th>
<th>25.4 mm (1&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.4 mm (1/4&quot;)</td>
<td>24.8</td>
<td>16.5</td>
<td>12.4</td>
<td>9.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.5 mm (3/8&quot;)</td>
<td>6.6</td>
<td>5.5</td>
<td>4.7</td>
<td>4.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.7 mm (1/2&quot;)</td>
<td></td>
<td>4.1</td>
<td>3.5</td>
<td>3.1</td>
<td></td>
<td></td>
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</tbody>
</table>

When estimating, figure two cartridges/1.5 L (5 cartridges/gal.)
Cm³/L – 1000 (231 cubic in.)
Cm³/cartridge – 825 (50 cubic in.)

For triangular cross-section joints:
6.4 mm (1/4") each side – 49.6 m/L (616 linear ft./gal.)
12.7 mm (1/2") each side – 12.4 m/L (154 linear ft./gal.)
19.1 mm (3/4") each side – 5.5 m/L (68 linear ft./gal.)

SHELF LIFE
When stored indoors and in original, unopened containers at temperatures between 4° - 35° C, shelf life is one year from date of manufacture, except for pails and drums, which have a shelf life of six months.

SPECIFICATIONS
- ASTM C 920-11, Type S, Grade P, Class 25, Use T1, T2, NT, M, G, A, I, O.
- Conforms to BS 5212 for determination of resistance to heat, aging, and fuel immersion.
- Can/CGSB 19.13-M87, Classification C-1-40-B-N and C-1-25-B-N, No. 81028
- Federal Specification TTS-00230C, Type 1, Class A
- Approval/Standards Conform to 150 11600 F 25 HM
TECHNICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength, MPa (psi)</td>
<td>1.23 (180)</td>
<td>ASTM D412</td>
</tr>
<tr>
<td>Elongation</td>
<td>785%</td>
<td>ASTM D412</td>
</tr>
<tr>
<td>Tear Strength, kN/m (pli)</td>
<td>5.8 kN/m (33 lb./in.)</td>
<td>ASTM D624</td>
</tr>
<tr>
<td>Shore A Hardness</td>
<td>±25</td>
<td>ASTM C661</td>
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<tr>
<td>Movement Capability</td>
<td></td>
<td>ASTM C793</td>
</tr>
<tr>
<td>Weathering Resistance</td>
<td>Excellent</td>
<td>ASTM C793</td>
</tr>
<tr>
<td>Stain and Color Change</td>
<td></td>
<td>ASTM C510</td>
</tr>
<tr>
<td>Application Temperature</td>
<td>5º - 40º C</td>
<td></td>
</tr>
<tr>
<td>Service Range</td>
<td>-40º to 82.2º C</td>
<td></td>
</tr>
<tr>
<td>Rheological Properties</td>
<td>Pass</td>
<td></td>
</tr>
<tr>
<td>Peel on Aluminum-Dry</td>
<td>25 c.f.</td>
<td>ASTM C794</td>
</tr>
<tr>
<td>Peel on Glass-Dry</td>
<td>26 c.f.</td>
<td>ASTM C794</td>
</tr>
<tr>
<td>Peel on Concrete Mortar-Dry</td>
<td>24 c.f.</td>
<td>ASTM C794</td>
</tr>
<tr>
<td>Paint Compatibility</td>
<td>Water-Based: Compatible</td>
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</tr>
<tr>
<td></td>
<td>Solvent-Based: Check Compatible</td>
<td></td>
</tr>
<tr>
<td>VOC Content</td>
<td>38 g/L</td>
<td></td>
</tr>
<tr>
<td>Tack-Free Time</td>
<td>3 Hours</td>
<td></td>
</tr>
</tbody>
</table>

APPLICATION

Surface Preparation ... Clean all surfaces. Joint walls must be sound, clean, dry, frost-free, and free of all oil and grease. Curing compound residues and any other foreign matter must be thoroughly removed. Install bond breaker tape or CERA-ROD™ from W. R. MEADOWS to prevent bond at base of joint. When applying to green concrete, wait 24 hours after forms have been removed. Concrete can be damp during application, but do not apply when standing water is in or near joints.

Priming ... Priming is not usually necessary. Substrates only require priming if testing indicates a need or where sealant will be subjected to water immersion after cure.

If priming is required, use REZI-WELD™ LV from W. R. MEADOWS.

Application Method ... Condition material to 18.3° - 23.9° C before using. Sealant should be installed when joint is at mid-range of anticipated movement. Gun sealant into joint opening in one direction and allow sealant to flow and level out as necessary. Tool as required; minimum tooling is necessary. Joint dimensions should allow for 6.35 mm minimum and 12.7 mm maximum thickness for sealant. Proper design is a 2:1 width-to-depth ratio. Always use bond breaker tape or CERA-ROD from W. R. MEADOWS for support on horizontal joints.

Cure Time ... When applied at 25° C and 50% relative humidity, the sealant will develop a skin within 1 - 2 hours. After skin formation, the sealant will continue to cure 1.59 mm (1/16") per day for the first three days after application. The cure rate will slow after three days as it becomes more difficult for moisture to penetrate and facilitate curing deeper within the sealant.

Skin formation and cure time will vary with ambient conditions. Sealant curing will slow at cooler temperatures and/or lower humidity, while curing is faster at higher temperatures and/or increased humidity.

Cleanup ... Application tools can be cleaned with toluene or xylene before curing. Afterwards, mechanical cleaning will be required.

PRECAUTIONS

Allow one-week cure at standard conditions when used in total water immersion applications. Maximum exposure level of chlorine is 5 ppm. Do not cure in presence of curing silicone sealants. Avoid contact with alcohol and other solvent cleaners during cure. Maximum depth of POURTHANE SL should be ½" (12.7 mm). Do not use caulks, sand, or incompressibles as a bottom in a joint. Do not install when rain is expected before the product develops a substantial skin. Storing at elevated temperatures will reduce shelf life.
MASTERFORMAT NUMBER AND TITLE
07 92 13 - Elastomeric Joint Sealants
32 13 73 - Concrete Paving Joint Sealants

LEED INFORMATION
May help contribute to LEED credits:
- MRc9: Construction and Demolition Waste Management
- EQc2: Low-Emitting Materials [For Healthcare and Schools (exterior-applied products) ONLY]

For most current data sheet, further LEED information, and SDS, visit www.wrmeadows.com.

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