



W. R. MEADOWS®

SEALTIGHT®

DATA SHEET NO. 4727-000

POURTHANE® SL
Self-Leveling Joint Sealant

DESCRIPTION

POURTHANE SL is an elastic, one-component, self-leveling, premium-grade polyurethane sealant specifically developed to be used as a multi-purpose horizontal joint sealant in applications where a high chemical resistance to fuels, oils, and hydrocarbons is required.

USES

POURTHANE SL is used to seal horizontal expansion joints in concrete and cementitious slabs, such as sidewalks, balconies, pavement, terraces, warehouses, factories, civil structures, plazas, runways, and pitch pans.

FEATURES/BENEFITS

- One-component, no mixing.
Self-leveling.
Non-bubbling formula.
Movement capacity of +/-25%.
Accelerated curing.
Jet fuel resistant.
Permanently elastic.
High durability.
Resists aging and weathering.
Excellent adhesion.
Convenient, easy-to-use packaging.
Low VOC content.

PACKAGING

592 Millilitre Sausages
825 Millilitre Cartridges
18.9 Litre Pails
208.2 Litre Drums

AVAILABLE COLORS

Limestone, Stone Gray, 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 with 2 rows and 8 columns: Joint Depth, Joint Width (6.4 mm, 9.5 mm, 12.7 mm, 15.9 mm, 19.1 mm, 22.2 mm, 25.4 mm)

When estimating, figure two cartridges/1.5 L.

Cm³/L - 1000

Cm³/cartridge - 344.1

For triangular cross-section joints:

6.4 mm each side - 49.6 m/L

12.7 mm each side - 12.4 m/L

19.1 mm each side - 5.5 m/L

SHELF LIFE

When stored indoors and in original, unopened containers at temperatures between 5° - 25° 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, O, G.
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 ISO 11600 F 25 HM

Continued over ...

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## TECHNICAL DATA

Appearance	Pasty
Specific Gravity	1.509
Viscosity @ 23°	Brookfield RVT / spindle 6 / 5 rpm : ca. 15,000 mPa.s
Density @ 23° C and 50% RH	1.48 ± 0.02 g/cc
Application Temperature	4.4° – 37.8° C
Skin Formation Time @ 23° C and 50% RH	60/120 Min.
Shore A Hardness (ASTM D 2240) 21 Day	35 +/- 5
Temperature Resistance	-40° to 80° C
Resistance to Dilute Acids and Bases	Average
UV Resistance	Good
Water and Salt Spray Resistance	Excellent
Compatibility w/Paints	Water-Based: Yes Solvent-Based: Test beforehand
Modulus @ Break ASTM D412	>0.6 MPA
Elongation @ Break ASTM D412	>800%
VOC Content	27 g/L

## 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 P/G PRIMER 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 2:1 width-to-depth ratio. Always use bond breaker tape or CERA-ROD from W. R. MEADOWS for support on horizontal joints.

**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:

- IEQ Credit 4.1: Low Emitting Materials: Adhesives & Sealants
- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

**For most current data sheet, further LEED information, and SDS, visit [www.wrmeadows.com](http://www.wrmeadows.com).**

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