



DATA SHEET NO. 4726-000

**POURTHANE® NS
Non-Sag Joint Sealant**

DESCRIPTION

POURTHANE NS is an elastic, low-modulus, one-component, moisture-curing, non-sag, polyurethane sealant. It maintains flexibility and waterproofing joint sealing with high bond strength and provides outstanding durability in the civil and industrial construction markets. The product requires no mixing and typically requires no priming to bond to many materials, including concrete and masonry.

USES

POURTHANE NS has very good adhesion to most construction materials. It is particularly recommended for expansion joints between precast concrete panels and seams on wooden, aluminum, and PVC joinery. POURTHANE NS is highly recommended for bonding concrete and baked clay roof tiles.

FEATURES/BENEFITS

- Ready to use and easy to gun and tool/No mixing and speeds application.
- Low VOC content.
- +/- 35% joint movement capability/Maintains flexibility in moving joints.
- No primer required for most construction materials/Cost reduction.
- Maintains excellent weather resistance/Gives long lasting joint seal.
- Delivers a practical service temperature range/Can be used in all climates.
- Packaged in cartridges, sausages, and in bulk/Jobsite waste is reduced.
- Superior bonding/Long lasting baked clay roof tile application.

PACKAGING

300 mL (10.1 Oz.) Cartridges (24/Cartron)
592 mL (20 Oz.) Sausages (20/Cartron)
18.9 L (5 Gal.) Pails
208.2 L (55 Gal.) Drums

AVAILABLE COLORS

Limestone, Stone Gray, Tan, White, Black, Bronze

COVERAGE

This chart shows the approximate number of lineal meters that can be sealed per litre. One litre is approximately three cartridges.

Joint Depth	Joint Width						
	6.4 mm (1/4" mm)	9.5 mm (3/8")	12.7 mm (1/2")	15.9 mm (5/8" mm)	19.1 mm (3/4")	22.2 mm (7/8")	25.4 mm (1")
6.4 mm (1/4")	93.9	62.5	46.9	37.2			
9.5 mm (3/8")				25	20.7	17.7	15.5
12.7 mm (1/2")					15.5	13.4	11.6

When estimating, figure 3 cartridges/L (11 cartridges/gal)..

Cubic cm/gal. – 1000 cm³ (231 in.³)

Cubic cm/cartridge – 344.13 cm³ (21 in.³)

For triangular cross-section joints:

6.35 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.)

BEST USED BY

When stored indoors and in original, unopened containers at temperatures between 5 - 40° C (41 - 104° F), shelf life is a minimum of one year from date of manufacture, except for pails and drums, which have a shelf life of six months.

Continued over ...

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SPECIFICATIONS

- ASTM C 920-11, Type S, Grade NS, Class 35, Use T₁, T₂, NT, O, M, G
- Federal Specification TT-S-00230C, Type II, Class A
- Canadian Specification CAN/CGSB-19.13-M87, Classification MCG-2-25-A-N, No. 81026
- ISO 11600-F-25LM

TECHNICAL DATA

Consistency	Thixotropic
Specific Gravity @ 20° C (68° F)	1.27
Paint Compatibility	Water-Based: Compatible Solvent-Based: Check Compatibility
Skin Formation Time 23° C (74° F), 50% RH	60 – 90 min.
Shore A Hardness	25 - 30
Sagging (ISO 7390)	None
Modulus at 100% Elongation (ISO 8339), MPa	0.3
Elongation at Break, %	800
Application Temperature	5° - 40° C (41° - 104° F)
Service Temperature	-40° - 80° C (-40° - 176° F)
Substrate Staining	None
Resistance to Weathering	Excellent
UV Resistance	Good
Resistance to Diluted Acids and Bases	Medium
Salt Water Resistance	Excellent
VOC Content	102 g/L

APPLICATION

Surface Preparation ... Substrate must be clean, dry, and free of dust and grease. Be sure interfaces are free of curing compounds and/or saw residue.

Application Method ... POURTHANE NS can be applied with a manual or pneumatic caulking gun. Use typical joint sealing practices and proper joint design of 2:1 width to depth ratio when applying. Horizontal joints require a minimum of 6.4 mm (1/4") depth and maximum 12.7 mm (1/2") depth. KOOL-ROD™ from W. R. MEADOWS may be used as a joint backing material to control sealant depth and provide joint configuration. After application, the product can be smoothed with a damp knife.

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

PRECAUTIONS

Check for compatibility to materials and working techniques not outlined above. POURTHANE NS must be fully cured prior to installation of other materials over the product. Do not apply on wet substrates. Do not apply at temperatures outside application temperature range. (See physical properties chart.) For joints subject to water immersion, use DECK-O-SEAL® 125 and/or DECK-O-SEAL GUN GRADE with P/G PRIMER from W. R. MEADOWS.

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 and 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.

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