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JULY 2013  
(Supersedes December 2012)

## 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/Approved in all 50 states for use.
- +/- 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

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

### AVAILABLE COLORS

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

### COVERAGE

This chart shows the approximate number of lineal feet that can be sealed per gallon. One gallon is approximately 11 cartridges.

Joint Depth	Joint Width						
	1/4" (6.4 mm)	3/8" (9.5 mm)	1/2" (12.7 mm)	5/8" (15.9 mm)	3/4" (19.1 mm)	7/8" (22.2 mm)	1" (25.4 mm)
1/4" (6.4 mm)	308	205	154	122			
3/8" (9.5 mm)				82	68	58	51
1/2" (12.7 mm)					51	44	38

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

Cubic inches/gal. – 231 (1000 cm<sup>3</sup>)

Cubic inches/cartridge – 21 (344.13 cm<sup>3</sup>)

For triangular cross-section joints:

1/4" (6.35 mm) each side – 616 linear ft./gal. (49.6 m/L)

1/2" (12.7 mm) each side – 154 linear ft./gal. (12.4 m/L)

3/4" (19.1 mm) each side – 68 linear ft./gal. (5.5 m/L)

### SHELF LIFE

When stored indoors and in original, unopened containers at temperatures between 41 - 104° F (5 - 40° C), 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.

### SPECIFICATIONS

- ASTM C 920-11, Type S, Grade NS, Class 35, Use T<sub>1</sub>, T<sub>2</sub>, 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
- USDS compliant for use in meat and poultry areas
- Canadian approval for use in establishments that handle food
- ISO 11600-F-25LM
- Complies with OTC and SCAQMD maximum allowable VOC regulations.

CONTINUED ON REVERSE SIDE...

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**TECHNICAL DATA (Typical Results)**

Consistency	Thixotropic
Specific Gravity @ 68° F (20° C)	1.27
Paint Compatibility	Water-Based: Compatible Solvent-Based: Check Compatibility
Skin Formation Time, 74° F (23° C), 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	41° - 104° F (5° - 40° C)
Service Temperature	-40° - 176° F (-40° - 80° C)
Substrate Staining	None
Resistance to Weathering	Excellent
UV Resistance	Good
Resistance to Diluted Acids and Bases	Medium
Salt Water Resistance	Excellent
VOC Content	35 g/L

**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. 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.

**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 MSDS, visit [www.wrmeadows.com](http://www.wrmeadows.com).**

**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 1/4" (6.4 mm) depth and maximum 1/2" (12.7 mm) 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.

**LIMITED WARRANTY**

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

**Disclaimer**

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.