

NO. 773

DATA SHEET



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(Supersedes November 2019)

POURTHANE® NS

Non-Sag Joint Sealant

DESCRIPTION

POURTHANE NS is an elastomeric, low-modulus, one-component, moisture-curing, non-sag, polyurethane sealant. 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. The product is designed for the civil and industrial construction markets.

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/Job site waste is reduced.
- Superior bonding/Long lasting baked clay roof tile application.

PACKAGING

10.1 Oz. (300 mL) Cartridges (24/Carton)

20 Oz. (592 mL) Sausages (20/Carton)

5 Gal. (18.9) Pails

SHELF LIFE

When stored indoors and in original, unopened containers at temperatures between 40° - 95° F (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.

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 in./gal. – 231 (1000 cm³)

Cubic in./cartridge – 21 (344.13 cm³)

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)

SPECIFICATIONS/STANDARDS

- ASTM C920-11, Type S, Grade NS, Class 35, Use T1, T2, NT, O, M, G, A
- Federal Specification TT-S-00230C, Type II, Class A
- USDA compliant for use in meat and poultry areas
- ISO 11600-F-25LM
- Complies all U.S. VOC regulations, including National EPA VOC Emission Standard for Architectural Coatings, CARB, SCAQMD, Maricopa County, Colorado AIM, Utah Department of Air Quality, LADCO, and OTC Phase I and II

CONTINUED ON REVERSE SIDE ...

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TECHNICAL DATA

Property	Typical Value	Test Method
Tensile Strength, psi (MPa)	180 (1.24 MPa)	ASTM D412
Elongation	903%	ASTM D412
Tear Strength, pli	42.2 lb./in. (7.39 kN/m)	ASTM D624
Peel on Aluminum-Dry	23 pli, c.f.	ASTM C794
Peel on Glass-Dry	28 pli, c.f.	ASTM C794
Peel on Concrete Mortar-Dry	25 pli, c.f.	ASTM C794
Shore A Hardness	30 - 40	ASTM C661
Specific Gravity @ 68° F (20° C)	1.31	
Movement Capability	±35	ASTM C719
Stain and Color Change	Pass	ASTM C510
Weathering Resistance	Excellent	ASTM C793
Substrate Staining	None	
UV Resistance	Good	
Rheological Properties	Pass	ASTM C639
Application Temperature	41° - 104° F (5° - 40° C)	
Service Range	-40° to 180° F (-40° to 82.2° C)	
Tack-Free	165 Minutes	ASTM C679
Final Cure	4 - 7 days	
Paint Compatibility	Water-Based: Compatible	
	Solvent-Based: Check Compatible	
VOC Content	96 g/L	

AVAILABLE COLORS

Limestone, Stone, Medium Bronze, Special Bronze, Off White, White, Gray, Aluminum Gray, Tan, Redwood Tan, Black



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™ or KOOL-ROD SOFT from W. R. MEADOWS may be used as a joint backing material to control sealant depth and provide joint configuration. Condition material to 65° - 75° F (18.3° - 23.9° C) before using. 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 REZI-WELD™ LV from W. R. MEADOWS.

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



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

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