

Commercial Product Data Sheet

PS-304 ELASTOMERIC SEALANT



Product Description

PS-304 Elastomeric Sealant is a moisture-curing, non-slump sealant designed for roofing applications where dynamic joint movement, adhering dissimilar materials, and excellent low temperature durability are required. PS-304 Elastomeric Sealant has a mortar texture, and is gray in color.

PS-304 Elastomeric Sealant contains no volatile organic compounds (VOCs). Because it is composed of 100% solids, PS-304 will not shrink or lose volume in joint or surface applications. PS-304 contains no solvents, and will not damage expanded polystyrene or other solvent-sensitive construction materials.

Product Uses

PS-304 Elastomeric Sealant is a recommended accessory for Siplast SBS-modified bitumen roof systems, and is designed to be used whenever a sealant is required in Siplast specifications. Because of its fast skin time, PS-304 Elastomeric Sealant can be used as a night sealant for penetrations and other details. It bonds aggressively to asphalt, aluminum, galvanized steel, wood, masonry, fiberglass-reinforced plastic, vinyl, and many types of coated metal.

PS-304 is a gun-grade sealant, and can be applied using a standard professional caulking gun. It is easily tooled and skins over in approximately 25 minutes. After approximately 3 days of curing, it achieves a resilient rubber-like quality.

Surface Preparation and Application Conditions

Application surfaces must be clean and free of dirt, oil, rust, and loose debris that will interfere with adhesion. Remove all standing water, ice, and snow before applying PS-304 Elastomeric Sealant. Certain metals, such as galvanized or painted steel and aluminum may have a mill oil or paraffin protective coating that will act as a bond breaker. Such surface contaminants can usually be removed with an alcohol (isopropanol) scrub.

Temperature Considerations and Limitations

PS-304 Elastomeric Sealant requires atmospheric moisture to trigger its reactive curing mechanism. The service temperature range for PS-304 is -40°F (-40°C) to 200°F (93°C).

For easier gunning and tooling, PS-304 Elastomeric Sealant cartridges should be maintained at a temperature above 40°F (4°C). Do not use this sealant at temperatures below 30°F (1°C).

Product Approvals

PS-304 Elastomeric Sealant meets or exceeds the performance requirements of Federal Specification TT-S-00230C Type II, Class A, and Canadian Spec CAN 19, 13-M82.

Warranty Information

Siplast warrants PS-304 Elastomeric Sealant to be free of product defects and to meet the applicable standards that are published concerning its performance. Siplast will replace any quantity of PS-304 Elastomeric Sealant that is proven to be defective when stored, handled and applied in accordance with written instructions and recommendations provided by Siplast. Any claims concerning product defects must be made within twelve (12) months of product shipment. This warranty is in lieu of any and all other warranties, expressed or implied, including any implied warranty of merchantability or fitness for any particular purpose.

COMMERCIAL PRODUCT INFORMATION

Unit: 10.3 fluid ounce (305 ml) cartridge
16 cartridges to a pail

Coverage:

Linear Feet per Cartridge
Joint Width (Inches)

Joint Depth (Inches)	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
1/8"	99.3	49.6	33.1	24.8	19.9	16.5	14.2	12.4
1/4"		24.8	16.5	12.4	9.9	8.3	7.1	6.2
3/8"			11.0	8.3	6.6	5.5	4.7	4.1
1/2"					5.0	4.1	3.5	3.1

Shelf Life: 1 year

Packaging: Cartridges of PS-304 Elastomeric Sealant are packaged in plastic pails with resealable lids, 16 cartridges per pail. The pails are stacked in 3 layers of 16 on wooden pallets and stretch wrapped.

Pail size: 10 in X 10 in X 12 in
(25 cm X 25 cm X 30 cm)

Pallet size: 45 in X 48 in
(114 cm X 122 cm)

Number of Pails per Pallet: 48

Shipping Weight per Pail: 20 lb (9.1 kg)

Shipping Classification: DOT No. 53

Storage and Handling: Pails of PS-304 should be stored upright on a clean, flat surface. Care should be taken that pails are not crushed or punctured. All pails should be stored out of direct exposure to the elements. Material should be handled in such a manner that it remains dry prior to and during installation.

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