



**WATERTITE®
POLYURETHANE SEALANT**

DESCRIPTION AND USES

WaterTite® Polyurethane Sealant is a high performance, low modulus, single component, moisture-cured modified polyurethane joint sealant. It is designed to fill deep cracks and holes, seal dynamically moving joints such as expansion and control joints, precise concrete panel joints, tilt-up panel joints, curtain wall joints and perimeter caulking to windows, doors and panels. It is suitable for use on concrete block, cast-in-place concrete, stucco, tilt-up, exposed aggregate and slump block. Polyurethane Sealant can be used on basement and cellar walls, expansion and control joints, curtain wall joints, windows, doors, panels, fountains, reflecting pools, planters, canals, retaining walls and privacy fences.

FEATURES

- Flexible joint filler - remains flexible over time
- Fills deep cracks and holes
- Excellent adhesion – does not diminish over product life
- Seals and waterproofs

PRODUCTS

SKU	Container Size
5091	10.1 ounces

PRODUCT APPLICATION

SURFACE PREPARATION

IMPORTANT – The joint surface must be free from dirt, dust, oil and loose particles. The joint must be sound, clean and dry. The joint surface may require scraping or wire brushing to remove loose mortar or previous coatings, or abrasive blasting or grinding to remove laitance, release agents or masonry waterproofing sealers.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-Approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

PRODUCT APPLICATION (cont.)

JOINT DESIGN

Polyurethane Sealant may be used in any horizontal or vertical joint design in accordance with accepted architectural/engineering practice. Joint width should be 4 times the anticipated movement, but not less than ¼” (6.4 mm) wide.

JOINT DIMENSIONS

For joints ¼” (6.4 mm) to ½” (12.7 mm) wide, the width and depth ratio should be equal. Joints that are ½” (12.7 mm) wide or greater should have a sealant depth of ½” (12.7 mm). Minimum joint size is ¼” by ¼” (6.4 mm by 6.4 mm).

APPLICATION

Apply only when air and surface temperatures are between 40-120°F (4-49°C). It is strongly recommended the material temperature be at least 50°F (10°C) prior to use. Colder material will require more effort to dispense material from the cartridge. Insert Polyurethane Sealant tube in a conventional caulk gun. Cut the plastic tip on an angle to the desired opening size. Puncture the foil inside plastic tip. Dispense the material into cracks. Apply to cracks ½” wide or less. Cracks over ¼” in depth must be filled with backing material or filler before applying Polyurethane Sealant. Use a putty knife to level and smooth the surface. A topcoat can be applied after the sealant has cured for 72 hours.

TOOLING AND CLEANING

Tooling is recommended immediately after application to ensure firm contact with the joint interface. Dry tooling is preferred. To clean-up, use xylene or paint thinner while sealant remains uncured.

KEEP OUT OF REACH OF CHILDREN.

LIMITATIONS

Do not apply over damp or contaminated surfaces. Use with adequate ventilation.

**TECHNICAL DATA****WATERTITE POLYURETHANE SEALANT****PHYSICAL PROPERTIES**

ASTM C920 TT-S-00230C	REQUIREMENT	RESULTS
Rheological Properties at 40-122°F (4-50°C)	3/16" (4.8 mm) Maximum Flow No Deformation	0 None
Extrusion Rate	45 Seconds Minimum	5
Hardness Properties	25-50	25
Weight Loss	Less Than 10%	Passes
Tack Free Time	Tack Free in 72 hours Maximum	Passes
Stain and Color Change	No Visible Change	None
Durability - Cyclic Movement Adhesion and Cohesion	1-1/2" square inch (9.7 cm ²) Maximum Total Bond Loss	Passes
Adhesion-in-Peel	Not less than 5 pli (22N)	Concrete 20-28 pli (89-125N)
Less than 25% Bond Loss	No Adhesion Loss	Passes
Effects on Accelerated Weathering	No cracks greater than #2 on UV and Cold Temperature Bond Test	Passes
Safety Information	For additional information, see SDS	

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