11 Hawthorn Parkway
Vernon Hills, IL 60061
An RPM Company

Technical Data Bulletin

WATERTITE™ Polyurethane Sealant

For Concrete & Masonry

Description

WATERTITE® Polyurethane Sealant a high performance, low modulus, one component, moisture curing, modified polyurethane joint sealant. It is specifically used for filling deep cracks and holes, sealing dynamically moving joints, such as expansion and control joints, precise concrete panel joints, tiltup panel joint, curtain wall joints and perimeter caulking to windows, doors and panels.

Suitable Substrates:
Concrete block, cast-in-place concrete, stucco, tilt-up, exposed aggregate, slump block

Suitable Uses:
Basement & cellar walls, expansion and control joints, curtain wall joints, windows, doors, panels, radon mitigation, bedding of mullions and frames, fountains, reflecting pools, planters, canals, retaining walls, 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

Installation

Joint Design:
May be used in any vertical or horizontal joint design in accordance with accepted architectural/engineering practice. Joint width should be 4 times anticipated movement, but not less than ¼ inch (6.4mm) wide.

Joint Dimensions:
For joints **¼** inch (6.4mm) to ½ inch (12.7mm) wide, the width to depth ratio should be equal. Joints ½ inch (12.7mm) wide or greater should have a sealant depth of ½ (12.7mm). Minimum joint size is ¼ inch by ¼ inch (6.4mm by 6.4mm).

Surface Preparation:
For good adhesion, the joint interface must be free from dust, dirt, oil and loose particles. The joint must be sound, clean and dry. Depending upon the substrates, or presence of release agents, masonry waterproofing, dust loose mortar or laitance, architectural paints or finishes, the joint surface may require a thorough wire brushing, grinding, sandblasting, solvent washing and/or primer.

Use Directions:
Insert **WATERTITE Polyurethane Sealant** tube in a conventional caulk gun. Cut the plastic tip on an angle to desired opening size. Puncture foil inside plastic tip. Force sealant tightly into cracks. Apply to cracks ½ inch wide or less. Cracks over ¼" in depth must be filled with backing material or filler before applying **WATERTITE Polyurethane Sealant.** Use a putty knife to level and smooth surface.

Tooling and Cleaning:
Tooling is recommended immediately after application to insure firm contact with the joint interface. Dry tooling is preferred. To clean-up, use Xylene or paint thinner while sealant is still uncured.

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

FIRST AID – SAFTEY INSTRUCTIONS

WARNING! Contains Polyurethane Polymer and Calcium Carbonate, Calcium Salt, Dioproplyene Glycol Dibenzoate. May cause eye and skin irritation. Wear eye and skin protection to prevent contact. In case of eye contact, immediately flush eyes with running water for at least 15 minutes and get medical attention. In case of skin contact, wash thoroughly with soap and water. Get medical attention immediately if rash or other symptoms develop. Do not breathe vapor. Use only in well ventilated areas. If you experience difficulty in breathing, increase fresh air; wear an appropriate properly fitted (NIOSH approved) respirator; or leave the area to obtain fresh air. If symptoms persist get medical attention. Do not take internally. If swallowed, do not induce vomiting. Contact a physician or poison control center immediately. WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm. Keep away from heat and flames. Wash thoroughly after handling. **KEEP OUT OF REACH OF CHILDREN.**

WARRANTY

Limited Warranty - This product will perform as claimed if applied according to our directions. The directions apply to most applications, but may not cover special conditions, applications, techniques and/or surfaces. If you have a question, check with your dealer or contact Rust-Oleum Corporation. Warranty is limited to replacement or refunded value of product actually used if such product proves defective within two years of manufacture.

TECHNICAL DATA – Typical Physical Properties

ASTM C920 TT-S-00230C	Requirement	Results
Rheological Properties at 40 and 122°F (4.4 and 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 72 Hours Maximum	Passes
Stain and Color Change	No Visible Change No Stain	None None
Durability-Cyclic Movement Adhesion & Cohesion	1-1/2 sq. in. (9.7cm²) Max 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	
Effects of Accelerated Weathering	No cracks greater than #2 on U.V. and Cold Temperature Bond Test	

PACKAGING DATA

Code	Package	Case Amount	UPC
05091	10.1 oz.	12	0 47719 05091 9

Manufactured and distributed by:
ZINSSER Co. Inc.
173 Belmont Dr.
Somerset, NJ 08875
732-469-8100

Keep out of reach of children

Read and carefully follow all information on this Technical Data Bulletin, on the product label and the material safety data sheet for this product. To the best of our knowledge, the data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. User must contact Rust-Oleum to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Rust-Oleum's quality control and assume no responsibility for coverage, performance or injuries from use. Visit Zinsser.com for our most up-to-date technical data bulletins.

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