



# TECHNICAL DATA SHEET



## DESCRIPTION

OSI® GreenSeries™ Acrylic Urethane Sealant is a high performance sealant designed for sealing gaps and cracks around doors and windows. This water based, low gassing formula is ideal for use indoors and provides the durability, flexibility and adhesive strength needed for outdoor use. When cured, OSI® GreenSeries™ All-Purpose Acrylic Urethane Sealant is mold and mildew resistant and paintable. It has superior adhesion and can be extruded easily when applied in temperatures ranging from 40°F (4°C) to 100°F (38°C).

## RECOMMENDED USES:

- Developed primarily for sealing around exterior window and door frames, sill plates, electrical and plumbing penetrations and other areas where water and air can infiltrate.
- Ideal for sealing gaps and cracks found on the interior of the home. Works well along baseboards, floors, wall to floor joints, around window and door frames, ceiling to wall joints and any other crack or gaps found in and around the home.
- Works well on vinyl, aluminum and fiber cement siding, brick, concrete, metal and most common building materials.
- Adheres to all types of wood, drywall, plaster, plastic moldings, tile and more.

## NOT RECOMMENDED FOR:

- Underwater applications or permanent water immersion
- Applications requiring temperature resistance greater than 170°F (77°C)
- Exterior use when rain or freezing conditions are expected within 24 hours
- Butt joint applications
- Application on unfinished or unprimed fiber cement (Fiber cement must be primed or have a factory finish before application)

## FEATURES & BENEFITS

Feature	Benefits
Ultra low VOC content.....	GREENGUARD® approved; Qualifies for LEED® points
Water-based sealant.....	Non-flammable, environmentally friendly, non-toxic
Permanently flexible.....	Will not harden, crack or separate over time
Easy cleanup with water (uncured adhesive).....	Eliminates the use of harsh cleaning chemicals
Low odor.....	Great for indoor projects – no strong solvent odor
Mold and Mildew Resistant.....	Ideal for outdoor projects



Item #	Package	Size
1030734	Paper Cartridge	10.2 fl. oz.



## COVERAGE

For a 10.2 Fl. Oz. cartridge:

A ¼" (6 mm) bead extrudes approximately 31 ft. (9.5 m).

A 3/8" (9.5 mm) bead extrudes approximately 14 ft. (4.2 m).

## DIRECTIONS

**Tools Typically Required:**

Utility knife, caulking gun and tool to puncture inside seal of cartridge.

**Safety Precautions:**

Wear gloves.

**Preparation:**

The temperature of the product, the surfaces and the working area must be above 40°F (4°C). For best performance, apply sealant at 70°F (21°C). Ensure surfaces to be sealed are clean, dry, structurally sound and free of dust, grease, oil, and other foreign contaminants. Concrete or block walls must be well cured, dry and free of any release agents. Cut off tip of cartridge at a 45° angle to desired bead size (3/8" recommended). Puncture inside seal of cartridge.

**Application:**

Using caulking gun, force sealant into joint. Avoid outdoor use when rain is expected within 24 hours. Tool if necessary with a wet finger within 20 minutes after application. Sealant skins over in approximately 30 minutes depending on humidity and temperature.

**Clean-up:**

Clean tools and uncured product residue immediately with warm, soapy water. Cured sealant may be carefully cut away with a sharp-edged tool.

## STORAGE & DISPOSAL

DAMAGED BY FREEZING. Store in a cool, dry location at room temperature. For maximum shelf life store at 75°F (24°C). Take unwanted product to an approved household hazardous waste transfer facility. Hardened material may be disposed of with trash.

## LABEL PRECAUTIONS

Avoid contact with eyes and skin.  
**KEEP OUT OF REACH OF CHILDREN.**

**Refer to the Material Safety Data Sheet (MSDS) for further information**

## DISCLAIMER

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Purchasers should test the products to determine acceptable quality and suitability for their own intended use. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

## TECHNICAL DATA

Typical Uncured Physical Properties	Typical Application Properties
<u>Color:</u> White	<u>Application Temperature:</u> Above 40°F (4°C)
<u>Appearance:</u> Non-slumping paste	<u>Tooling / Open Time:</u> 10 to 20 minutes
<u>Base:</u> Acrylic / Urethane Latex	<u>Tack-Free Time:</u> 30 to 60 minutes
<u>Odor:</u> Mild acrylic odor	<u>Cure Time:</u> 1 to 14 days Cure time depends upon temperature, humidity, porosity of substrate and thickness of sealant applied.
<u>VOC Content:</u> < 0.5% by weight (< 5 g/L)	
<u>Shelf Life:</u> 24 months from date of manufacture (unopened)	<u>Sag or Slump:</u> 0.1" (Maximum) (ASTM D 2202)
<u>Lot Code Explanation:</u> YYDDD YY = Last two digits of year of manufacture DDD = Day of manufacture based on 365 days in a year  (Lot code is printed on body of cartridge label.)  For example: 09061 = 61 <sup>st</sup> day of 2009 = March 2, 2009	<u>Extrusion</u> (5/16" opening @ 5 in / min): At 120°F (49°C) 16 lb At 73°F (23°C) 35 lb

## Typical Cured Performance Properties

<u>Color:</u>	White
<u>Cured Form:</u>	Non-flammable solid
<u>Service Temperature:</u>	-5°F (-21°C) to 170°F (77°C)
<u>Paintable:</u>	Yes
<u>Shore A Hardness</u>	Approx. 24
<u>Tensile Strength (ASTM D 412):</u> 5 days cure @ 73°F 1 day cure @ 73°F + 30 days @ 122°F	72 ± 33 psi 302 ± 4 psi
<u>Elongation at Break (ASTM D 412):</u> 5 days cure @ 73°F 1 day cure @ 73°F + 30 days @ 122°F	1106 ± 317% 468 ± 38%
<u>% Recovery:</u> 5 days cure @ 73°F 1 day cure @ 73°F + 30 days @ 122°F	42 ± 6% 83%
<u>180° Peel Adhesion – Dry</u> (ASTM C 794 – 21 day cure – no water immersion)	
Vinyl Siding	19 ± 2.1 pli
Aluminum Flashing (coated)	18.6 ± 5.5 pli
Fiber cement - Primed (Hardie Board)	6.2 ± 2.1 pli
Pine	9.3 ± 2.7 pli
OSB (glossy side)	9.6 ± 1.1 pli
Aztec Trim	5.3 ± 0.7 pli
<u>Movement Capability:</u>	± 25%

Specifications:

- Meets performance characteristics of:
  - TT-S-00230C, Type II, Class A
  - ASTM C-920, Grade NS, Class 25
- GreenGuard® certified
- Qualifies for LEED® points
- Complies to the following VOC regulations:
  - SCAQMD Rule 1168 VOC
  - CARB
  - BAAQMD