



# TECHNICAL DATA SHEET



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## DESCRIPTION

OSI® GS-121™ Gutter & Seam Sealant is composed of SBR rubber and high quality resins, which cures to form a tough, rubbery seal that expands and contracts with the change of weather without cracking. Formulated especially for sealing aluminum, galvanized and vinyl clad gutters and downspouts.

## RECOMMENDED FOR

- Sealing around aluminum, galvanized and vinyl clad gutters and downspouts
- Excellent for sheet metal work, ducts and ventilator joints
- Sealing seams, joints and cracks in gutter troughs

## NOT RECOMMENDED FOR

- Applications as an expansion joint control sealant
- Bonding, polystyrene foam and polypropylene or polyethylene plastics
- Joints deeper than 3/8" (9.5 mm) without the use of backing material
- Use indoors without proper ventilation to the outdoors during application and cure
- Use on copper

## FEATURES & BENEFITS

Feature	Benefits
Expands and contracts with temperature change with no loss of adhesion .....	Withstands moderate expansion-contraction cycles
Water-resistant.....	Cures to form a tough, rubbery, waterproof seal
Permanently flexible.....	Will not become brittle even after years of exposure to freezing and thawing

## COVERAGE

A 10.2 fl. oz. (302 mL) cartridge will extrude approx. 31 ft. (9.5 m) of a 1/4" (6 mm) bead.  
A 10.2 fl. oz. (302 mL) cartridge will extrude approx. 14 ft. (4.2 m) of a 3/8" (9.5 mm) bead.

Color	Item #	Package	Size
White	827681	Paper Cartridge	10.2 fl. oz.
Aluminum	827682	Paper Cartridge	10.2 fl. oz.

## DIRECTIONS

### Tools Typically Required:

Utility knife, tool to puncture cartridge seal, caulking gun and tooling device.

### Safety Precautions:

If used for an interior application, use proper ventilation to the outdoors during application and cure. Wear gloves. Wash hands after use.

### Preparation:

Apply sealant between 40°F (4°C) and 120°F (49°C). For easier extrusion of sealant at lower temperatures, the material should be kept at room temperature 24 hours prior to use. All surfaces must be clean, dry and free of old caulk, grease, dust and other contaminants. Cut nozzle at a 45° angle to desired bead size (3/8" is recommended) and puncture inner seal.

### Application:

Using a caulking gun, apply sealant with steady pressure, forcing the sealant into the joint. If the depth of the joint exceeds 3/8" (9.5 mm) the use of a backer rod is recommended. Sealant skins over in about 30 minutes depending on temperature and humidity. Low temperature and high humidity will extend the skinning and cure time. Tool sealant within 30 minutes after application.

### Clean-up

Clean tools and uncured sealant residue immediately with mineral spirits or paint thinner. Cured sealant must be carefully cut away with a sharp-edged tool.

## STORAGE AND DISPOSAL

NOT DAMAGED BY FREEZING. Store in a cool, dry place. Take unwanted product to an approved household hazardous waste transfer facility. Hardened material may be disposed of with trash.

## PRECAUTIONS

**CAUTION!** Combustible. Contains Mineral Spirits. Keep away from sparks, heat and flame. Air cures by releasing mineral spirits with odor. Use in well ventilated areas only and avoid vapor build up. Doors and windows must be opened when used indoor. Avoid breathing vapors. Avoid prolonged or repeated skin contact. **KEEP OUT OF REACH OF CHILDREN.** Notice: Reports have associated repeated and prolonged occupational overexposure to solvent with permanent brain, nervous system, liver or kidney damage and mucus membrane irritation. Intentional misuse by deliberately inhaling the contents maybe harmful or fatal. First Aid: In case of eye contact, flush immediately with plenty of clean water for at least 15 minutes. Cleanse skin thoroughly after contact. If swallowed, DO NOT induce vomiting. Call a physician immediately. Overexposure to vapors is irritating to eyes and respiratory tract. May cause headaches and dizziness and is anesthetic. If overcome by vapors, remove to fresh air. **WARNING:** This product contains materials listed by the State of California as known to cause cancer, birth defects and other reproductive harm.

**Refer to 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 and Aluminum	<u>Application Temperature:</u>	40°F (4°C) to 120°F (49°C)
<u>Appearance:</u>	Lump-free paste	<u>Skin Formation Time:</u>	30 min. (At 72°F(22°C) and 70% Relative Humidity)
<u>Base:</u>	SBR Rubber	<u>Cure Time:</u>	7 days Note: Cure time is dependent upon temperature, humidity and depth of sealant applied.
<u>Odor:</u>	Solvent	<u>Force of Extrusion:</u>	40 lbs. (At room temperature)
<u>Specific Gravity:</u>	1.27	<u>Boeing Sag:</u>	0.1" (At room temperature)
<u>Flash Point:</u>	105°F (40°C) Uncured product is flammable.		
<u>% Solids by Weight:</u>	70%		
<u>VOC Content:</u>	365 g/L (30% by weight)		
<u>Shelf Life:</u>	18 months from date of manufacture (unopened)		
<u>Lot Code Explanation:</u>	YYDDD YY = Year of manufacture DDD = Day of manufacture based on 365 days in a year  For example: 09061 = 61 <sup>st</sup> day of 2009 = March 2, 2009		
(Lot code stamped on bottom of cartridge plunger)			

**Typical Cured Performance Properties**

<u>Color:</u>	White and Aluminum	<u>Service Temperature:</u>	0°F (-18°C) to 150°F (66°C)
<u>Shrinkage:</u> (ASTM D 2453)	30%	<u>Water Resistant:</u>	Yes
<u>Hardness, Shore A:</u>	40		
<u>Elongation:</u>	500%		
<u>180° Peel Adhesion:</u> (ASTM C794)	Painted Aluminum 18 pli		