



TECHNICAL DATA SHEET

GUTTER & SEAM SEALANT

GS121

PERMANENTLY FLEXIBLE, WATER RESISTANT SEAL



Description: OSI GS121 Gutter & Seam Sealant is composed of high quality resins and polymers which cures to form a tough, rubbery seal. This seal expands and contracts with the change of weather and temperature without cracking. Formulated especially for sealing aluminum, galvanized and vinyl clad gutters and downspouts.

Available As:

Item #	Size	Color	
1460689	5 fl oz (148 ml)	White	Squeeze Tube
1460359	5 fl oz (148 ml)	Aluminum	Squeeze Tube
1460731	5 fl oz (148 ml)	Clear	Squeeze Tube
827681	10 fl oz (295 ml)	White	Cartridge
827682	10 fl oz (295 ml)	Aluminum	Cartridge
855082	10 fl oz (295 ml)	Clear	Cartridge

Features & Benefits:

- Permanently Flexible, Water Resistant Seal
- Seals Most Common Gutter and Downspout Materials
- Expands and Contracts with Temperature Changes
- Cures to a Tough Rubbery Gasket

Recommended For:

OSI GS121 is designed for sealing around aluminum, galvanized and vinyl gutters and downspouts, sealing seam, joints and cracks in gutter troughs, and for use on sheet metal, air conditioning and heating ducts and ventilators.

For Best Results:

- Do not tool, feather or smear sealant
- Not recommended for interior use in occupied structures or as an expansion joint control sealant
- Not suitable for use on copper
- For joints deeper than 3/8" (9.5 mm), a backing material should be used

Coverage:

For a 5 fl. oz. (148 ml) squeeze tube:

- A 1/4" (6 mm) bead extrudes approximately 15.3 ft. (4.7 m)
- A 3/8" (9.5 mm) bead extrudes approximately 6.8 ft. (2.1 m)

For a 10 fl. oz. (295 ml) cartridge:

- A 1/4" (6 mm) bead extrudes approximately 30.6 ft. (9.3 m)
- A 3/8" (9.5 mm) bead extrudes approximately 13.6 ft. (4.2 m)

Typical Uncured Physical Properties:

Color:	White, Aluminum, Clear
Appearance:	Lump-free paste



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Base:	White & Aluminum: SBR Rubber Clear: Synthetic Polymer	
Odor:	Solvent	
Specific Gravity:	White & Aluminum 5 oz: 0.909 Clear 5 oz: 0.908 White & Aluminum 10 oz: 1.342 Clear 10 oz: 0.927	
Flash Point:	White & Aluminum 5 oz: 0° F (-18° C) White & Aluminum 10 oz: 105°F (40.6°C) Clear 5 oz & 10 oz: 80°F (26.7°C)	
VOC Content:	White 5 oz: 54.2% by weight Aluminum 5 oz: 56.8% by weight Clear 5 oz: 47.9% by weight White & Aluminum 10 oz: 28% by weight Clear 10 oz: 37% by weight White 5 oz: 507 g/l Aluminum 5 oz: 513 g/l Clear 5 oz: 430 g/l White & Aluminum 10 oz: 368 g/l Clear 10 oz: 337 g/l	CARB SCAQMD rule 1168
Shelf Life:	24 months from date of manufacture (unopened)	
Lot Code Explanation:	YYDDD YY= Last two digits of year of manufacture DDD= Day of manufacture based on 365 days in a year Example: 14061 = 61 st day of 2014 = March 2, 2014	

Typical Application Properties:

Application Temperature:	Apply between 40°F (4°C) and 120°F (49°C) For easier extrusion of sealant at lower temperatures, store cartridge at room temperature at least 24 hours prior to use	
Skin Formation Time:	30 minutes*	At 72°F and 70% R.H
Cure Time:	7-14 days* *Time is dependent on temperature, humidity and depth of sealant applied	
Extrusion Rate:	50-75 lbs	5/16" opening @ 5 in/min at 73°F
Vertical Sag:	0.50 inches maximum	Boeing, 15 minutes

Typical Cured Performance Properties:

Color:	White, Aluminum, Clear	
Service Temperature:	0°F (-18°C) to 150°F (66°C)	
Water Resistant:	Yes	
Shrinkage:	30%	
180° Peel Strength:	~ 6 lb/inch for the following substrates: Painted Aluminum Milled Aluminum PVC Siding Galvanized Metal	C794 with water immersion

Directions:

Tools Typically Required:



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Utility knife, tool to puncture cartridge seal, caulking gun (for cartridge) 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 (for cartridge) or squeezing tube (for squeeze tube), 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. Tool sealant within 30 minutes after application (Note: Clear sealant is self-leveling and no tooling is required). Full cure within 7-14 days. Low temperature and high humidity will extend the skinning and cure time.

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 & 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.

Label Precautions: **WARNING! COMBUSTIBLE. HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION.**

For 10 oz cartridges (White & Aluminum): **WARNING!** Contains mineral spirits and 1,2,4-trimethylbenzene. **COMBUSTIBLE.** Do not use or store near heat, sparks or open flame. Do not smoke when using this product. Prevent build-up of vapors by opening all windows and doors to achieve cross ventilation. Use in a well ventilated area. Avoid breathing vapors. Avoid contact with eyes and skin. Prolonged or repeated exposure may affect the nervous system causing dizziness, headache or nausea. If you experience eye watering, headache or dizziness, leave the area to obtain fresh air. Do not take internally. Wash thoroughly after handling. **FIRST AID:** If swallowed do not induce vomiting, call a physician or Poison Control center immediately. For eye contact flush with water for 15 minutes, call a physician. For skin contact wash thoroughly with soap and water. If overcome by vapors, get fresh air. **KEEP OUT OF THE REACH OF CHILDREN.**

For 5 oz. tubes (White & Aluminum): **DANGER!** Contains petroleum distillates, n-hexane, 1,2,4-trimethylbenzene, and aluminum. Vapors may ignite explosively. Do not use or store near heat, sparks or open flame. Do not smoke when using this product. Extinguish flames/pilot lights and turn off sources of ignition (stoves, heaters, electric motors) during use and until vapors are gone. Open windows and doors for cross ventilation. Use in a well ventilated area. Avoid breathing vapors. Avoid eye and skin contact. Prolonged or repeated exposure may affect the nervous system causing dizziness, headache or nausea. If you experience eye watering, headache or dizziness, leave the area. Prolonged or repeated exposure to hexane can cause nerve damage to extremities, which may be permanent. Do not swallow. Wash hands after use. **FIRST AID:** If swallowed do not induce vomiting, call physician or Poison Control center. For eye contact flush with water for 15 minutes, call physician. For skin contact, wash with soap and water. If overcome by vapors, get fresh air

For Clear 5 oz & 10 oz: **WARNING!** Contains xylene, mineral spirits and ethylbenzene. Vapors may ignite explosively. Do not use or store near heat, sparks or open flame. Do not smoke when using this product. Extinguish flames/pilot lights and turn off all sources of ignition (stoves, heaters, electric motors) during use and until all vapors are gone. Open windows and doors for cross ventilation. Use in a well ventilated area. Avoid breathing vapors. Avoid eye and skin contact. Prolonged or repeated exposure may affect the nervous system causing dizziness, headache or nausea. If you experience eye watering, headache or dizziness, leave the area to obtain fresh air. Do not swallow. Wash thoroughly after handling. **FIRST AID:** If swallowed do not induce vomiting, call physician or Poison Control center. For eye contact flush with water for 15 minutes, call a physician. For skin contact, wash with soap and water. If overcome by vapors, get fresh air. **KEEP OUT OF THE REACH OF CHILDREN.**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain, nervous system, liver and kidney damage or may cause cardiac arrhythmia. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

Refer to Safety Data Sheet (SDS) for further information.



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Limited Warranty:

This product is warranted to be free from defects in materials when used as directed. Henkel's sole obligation shall be, at its option, to replace or refund the purchase price of product proven to be defective. Henkel makes no other warranty, express or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE and will not be liable for consequential or incidental damages. This limited warranty gives you specific legal rights, which vary from state to state. Henkel may be contacted at 1.800.624.7767 M-F 9:00 am to 4:00 pm ET for warranty assistance.

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.

**OSI Tougher than the Elements. For Professional Use Only. The Battle will be Fierce.**

OSI works side by side with residential builders, contractors and remodeling professionals who use our products everyday on their jobsites. OSI combines this deep understanding with the sophisticated global innovation and manufacturing excellence of Henkel to make the world's best professional-grade caulks, sealants and adhesives.

1-800-624-7767 – Mon-Fri - 9:00a – 4:00p

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OSI Brand is part of the Henkel family of brands. Founded in 1876, Henkel is a global leader in the consumer and industrial businesses. Henkel operates worldwide with leading brands and technologies in three business areas: Laundry & Home Care, Beauty Care and Adhesive Technologies.

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