



# TECHNICAL DATA SHEET



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## DESCRIPTION

OSI® Micro™ is a unique multi-polymer compound designed for exterior all-weather applications. When used as directed, the sealant will remain permanently flexible with enhanced adhesion characteristics to prevent rust, stop leaks fast and seal joint on a variety of outdoor surfaces.

## 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
Self-Leveling.....	No tooling required
Expands and contracts with temperature change with no loss of adhesion .....	Withstands moderate expansion-contraction cycles
Excellent adhesion to wet or dry surfaces.....	All-weather application
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

Item #	Packaging	Size	Color
855081	Squeeze Tube	7 fl. oz. (207 mL)	Clear
855082	Paper Cartridge	10.2 fl. oz. (302 mL)	Clear

For a 7 fl. oz. (207 mL) squeeze tube:  
A 1/4" (6 mm) bead extrudes approximately 21.4 ft (6.5 m).  
A 3/8" (9.5 mm) bead extrudes approximately 9.5 ft (2.9 m).

For a 10.2 fl. oz. (302 mL) cartridge:  
A 1/4" (6 mm) bead extrudes approximately 31 ft. (9.5 m).  
A 3/8" (9.5 mm) bead extrudes approximately 14 ft. (4.26 m).

## DIRECTIONS

### Tools Typically Required:

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

### 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:

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. Product is self-leveling therefore no tooling is required.

### 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>	Clear	<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>	Synthetic Polymer	<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>		<u>Boeing Sag:</u>	0.1" (At room temperature)
7 fl. oz:	0.908		
10 fl. oz.	0.927		
<u>Flash Point:</u>			
7 fl. oz & 10 fl. oz:	80°F (26.67°C) Note: Uncured product is flammable.		
<u>% Solids by Weight:</u>			
7 fl. oz:	52%		
10 fl. oz.	65%		
<u>VOC Content:</u>			
7 fl. oz:	430 g/L (48% by weight)		
10 fl. oz.	340 g/L (35% by weight)		
<u>Shelf Life:</u>	24 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		
(Cartridge: Lot code stamped on bottom of cartridge plunger; Tube: Lot code imprinted onto crimped end of tube)	For example: 09061 = 61 <sup>st</sup> day of 2009 = March 2, 2009		

**Typical Cured Performance Properties**

<u>Color:</u>	Clear	<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>			
5 days:	20		
1 year:	50		
<u>Elongation:</u>	500%		
<u>180° Peel Adhesion:</u> (ASTM C794)			
Painted Aluminum	18 pli		