



# TECHNICAL DATA SHEET



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## DESCRIPTION

OSI® GreenSeries™ Multi Purpose is a high performance water-based construction adhesive designed for interior applications such as drywall installation and fabricating shear wall rated assemblies. This adhesive is non-flammable, environmentally friendly and VOC compliant for all interior and in-plant construction use. OSI® GreenSeries™ Multi Purpose offers fast strength development with high shear strength values.

## RECOMMENDED FOR:

Bonds a variety of construction materials such as wood or metal studs, drywall, masonry, glass and ceramics, carpet and carpet grippers, polystyrene foam board, cork, decorative wall trim and molding.

## NOT RECOMMENDED FOR:

- Underwater applications or permanent water immersion
- Outdoor applications
- Applications requiring temperature resistance greater than 160°F
- Use on mirrors and metals that will corrode
- Bonding two non-porous surfaces
- Polyethylene, polypropylene, Nylon™ or Teflon™
- Cement Board (Durock™)

## FEATURES & BENEFITS:

Feature	Benefits
Ultra low VOC content.....	GREENGUARD® approved and meets LEED requirements
Water-based adhesive.....	Non-flammable, environmentally friendly, non-toxic
Low odor.....	Great for indoor projects – no strong solvent odor
Bonds to most building materials.....	Provides a strong, durable bond to multiple surfaces
Gap filling.....	Will bridge minor gaps when bonding irregular surfaces
Easy cleanup with water (uncured adhesive).....	Eliminates the use of harsh cleaning Chemicals
High Grab.....	Reduces nailing and fastener requirements by up to 50%



Item #	Package	Size
1060929	Paper Cartridge	10.2 Fl. oz. (301 mL)

## COVERAGE

For a 10.2 fl. oz. cartridge:  
A 1/4" (6 mm) bead extrudes approximately 32 ft (9.5 m).  
A 3/8" (9.5 mm) bead extrudes approximately 14 ft. (4.26 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 adhesive, the surfaces and the working area must be above 45°F (7°C). For best performance, apply adhesive at 70°F (21°C). Ensure surfaces to be bonded are clean, dry, structurally sound and free of dust, grease, oil or other contaminants. To increase adhesion, sand glossy surfaces to a dull finish. Pre-fit all materials prior to applying product. Cut off tip of cartridge at a 45° angle to desired bead size. Puncture inside seal of cartridge.

### **Application:**

Using a caulking gun, apply adhesive to one of the surfaces to be bonded. Press materials firmly together. Repositioning time is approximately 10 minutes. If work is delayed, remove excess adhesive and reapply.

### **Paneling and Foamboard Installation:**

Apply continuous beads of adhesive to studs or furring strips (wood or metal). For wall surfaces, prepare surface accordingly and apply continuous parallel beads 12" to 16" on-center. Position panel and press firmly into place. Use finishing nails or mechanical fasteners along top and bottom edges to hold panels in place. Temporary blocking of panels may be required until adhesive sets.

### **Drywall Installation:**

Apply adhesive in same manner as detailed in Paneling and Foamboard installation instructions above. Mechanical fasteners are required 16" on-center around the perimeter of the panels. Field fasteners may be required if gypsum board shows evidence of warping. Note: Field fasteners are required 24" on-center for all ceiling applications in addition to perimeter fasteners.

### **Clean-up:**

Clean tools and uncured adhesive residue immediately with warm water and soap. Cured adhesive may be carefully cut away with a sharp-edged tool.

## STORAGE AND DISPOSAL

DAMAGED BY FREEZING. Store in a cool, dry location at room temperature. Take unwanted product to an approved household hazardous waste transfer facility. Hardened material may be disposed of with trash.

## LABEL PRECAUTIONS

**CAUTION!** CONTAINS ETHYLENE GLYCOL and Crystalline Silica. Avoid eye contact. Do not take internally. Use with adequate ventilation. **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>	Off-White	<u>Application Temperature:</u>	40°F (4°C) to 100°F (38°C)
<u>Appearance:</u>	Thick paste	<u>Repositioning Time:</u>	20 minutes @ 70°F, 50% Relative Humidity
<u>Base:</u>	Poly Vinyl Acetate (PVA)	<u>Cure Time:</u>	48 hours Cure time depends upon temperature, humidity, porosity of substrate and amount of adhesive used.
<u>Odor:</u>	Mild acrylic odor		
<u>Specific Gravity:</u>	1.22		
<u>Viscosity:</u>	225,000 to 325,000 cps		
<u>Solids Content:</u>	70% by weight		
<u>VOC Content:</u>	0.1% by weight (< 2 g/L)		
<u>Shelf Life:</u>	24 months from date of manufacture (unopened)		
<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  For example: 09061 = 61 <sup>st</sup> day of 2009 = March 2, 2009		
(Lot code stamped on bottom plunger of cartridge)			

Typical Cured Performance Properties	
<u>Color:</u>	Off-White
<u>Cured Form:</u>	Non-flammable solid
<u>Service Temperature:</u>	10°F (-12°C) to 160°F (71°C)
<u>Water Resistant:</u>	Yes Do not use outdoors if rain is expected within 24 hours.
<u>Shear Strength</u> (ASTM C 557-99):	24 hours @ 73°F: 26.3 psi 14 days @ 73°F: 42.3 psi
<u>Tensile Strength:</u> (ASTM C 557-99):	24 hours @ 73°F: 18.3 psi 14 days @ 73°F: 27.5 psi
<u>Specifications:</u>	<ul style="list-style-type: none"> <li>▪ Tested per ASTM E 72 – Racking Load Evaluation of Sheathing Materials on a Standard Wood Frame</li> <li>▪ Meets and conforms to the performance characteristics of ASTM C 557</li> <li>▪ GreenGuard® certified</li> <li>▪ Qualifies for LEED® points</li> <li>▪ Complies to the following VOC regulations:               <ul style="list-style-type: none"> <li>▪ SCAQMD Rule 1168 VOC</li> <li>▪ CARB</li> <li>▪ BAAQMD</li> </ul> </li> </ul>