



# TECHNICAL DATA SHEET



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## DESCRIPTION

OSI® SBR-100™ Window and Siding Caulk is a one component, medium grade, solvent release caulking compound. Formulated for year round use, SBR-100™ will extrude consistently and easily from 0°F to 100°F. This unique rubber based product air cures to form a tough elastomeric seal that maintains its bond under most weather conditions. It was developed primarily for the aluminum siding industry to eliminate the problems of extrusion, cut-off, stringing and dirt collection commonly found in oil-based and butyl caulking compounds. SBR-100™ requires virtually no tooling when applied as directed.

## RECOMMENDED FOR

SBR-100™ is ideal for use in all "low rise" residential construction including remodeling and remedial work where aesthetic appearance is desired and minimal joint movement is expected. The product is primarily used for caulking around windows, doors and siding to keep out unwanted air infiltration and weather while maintaining the energy efficiency of the home. SBR-100™ can also be used in areas where the need for a general purpose caulk may arise, such as repairing leaky downspouts and gutters. This product has been considered the first and only true original, one grade, all season caulking compound used by professionals for over 25 years.

## NOT RECOMMENDED FOR

- Exterior use on "high rise" construction or commercial buildings exceeding 3 stories in height
- Applications as an expansion joint control sealant
- Sealing around bath tub or shower enclosures
- Bonding, polystyrene foams and polypropylene or polyethylene plastics
- Continuous water immersion
- Use as a traffic bearing sealant
- Use on log homes
- Use on redwood, cedar and PVC (vinyls)
- Use inside occupied structures
- Joints deeper than 3/8" (9.5 mm) without the use of backing material
- Areas where exposure to food may occur (i.e. food storage units)

## FEATURES & BENEFITS

Feature	Benefits
First all season formula.....	Extrudes easily between 0°F and 100°F
No tooling required.....	Easy to use; Less mess application
Water-resistant.....	Great for outdoor applications
Paintable and durable.....	Long-lasting, professional finish
Available in 7 different colors.....	Will match many different siding colors

Color Family	Item #	Package	Size
White	827695	Paper Cartridge	10.2 fl. oz.
White	827747	Paper Cartridge	28 fl. oz.
Brown	827697	Paper Cartridge	10.2 fl. oz.
Bronze	827705	Paper Cartridge	10.2 fl. oz.
Beige	827714	Paper Cartridge	10.2 fl. oz.
Beige	827711	Paper Cartridge	10.2 fl. oz.
Beige	827724	Paper Cartridge	10.2 fl. oz.
Beige	827725	Paper Cartridge	10.2 fl. oz.

## COVERAGE

### For a 10.2 fl. oz. cartridge:

A ¼" (6 mm) bead extrudes approximately 31.3 ft. (9.5 m).

A 3/8" (9.5 mm) bead extrudes approximately 13.9 ft. (4.2 m) of a 3/8" (9.5 mm) bead.

### For a 28 fl. oz. cartridge:

A ¼" (6 mm) bead extrudes approximately 85.8 ft (26.1 m).

A 3/8" (9.5 mm) bead extrudes approximately 38.1 ft (11.6 m).

## DIRECTIONS

### Tools Typically Required:

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

### Safety Precautions:

Not recommended for use inside occupied structures. Wear gloves. Wash hands after use.

### Preparation:

Apply sealant between 0°F (-18°C) and 100°F (38°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 the tip off the cartridge 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. Tooling of the sealant is not necessary or recommended. Sealant is paintable with a latex or oil-based paint after 7 days.

### 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.

## LABEL 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 indoors. Avoid breathing of vapors. Avoid prolonged or repeated skin contact. **KEEP OUT OF REACH OF CHILDREN.**

### **FIRST AID:**

In case of eye contact, flush immediately with plenty of water for at least 15 minutes. Cleanse skin thoroughly after contact. If swallowed, do not induce vomiting. Call 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 person to fresh air.

**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>	Various colors	<u>Application Temperature:</u>	Apply between 0°F (-18°C) and 100°F (38°C) (For easier extrusion of sealant at lower temperatures, store cartridge at room temperature at least 24 hours prior to use.)
<u>Appearance:</u>	Lump-free paste		
<u>Base:</u>	Synthetic Styrene Butadiene Rubber and Resins	<u>Skin Formation Time:</u>	30 to 45 minutes Lower temperatures and/or higher humidity will affect skin formation time.
<u>Specific Gravity:</u>	1.34		
<u>Flash Point:</u>	105°F (40.6°C) Uncured product is flammable.	<u>Tack-Free Time:</u>	60 minutes
<u>% Solids by Weight:</u>	71% by weight	<u>Cure Time:</u>	7 days (Cure time is dependent upon temperature, humidity and depth of sealant applied.)
<u>VOC Content:</u>	< 388 g/L (28% by weight)	<u>Sag or Slump (ASTM D 2202):</u>	0.15 inches
<u>Shelf Life:</u>	18 months from date of manufacture (unopened)	<u>ATS Extrusion:</u>	
<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	Room Temperature 43°F (6°C)	70 lb 96 lb
(Lot code stamped on bottom plunger of cartridge)			

**Typical Cured Performance Properties**

<u>Color:</u>	Various colors	<u>Service Temperature:</u>	-20°F (-29°C) to 200°F (93°C)
<u>Shrinkage:</u>	25% by weight (maximum)	<u>Paintable:</u>	Yes after 7 days.
<u>Hardness, Shore A:</u>	70	<u>Water Resistant:</u>	Yes
<u>Elongation:</u>	800%	<u>Specifications:</u>	Meets the performance characteristics of: <ul style="list-style-type: none"> <li>▪ Federal Spec. TT-S-001657, Type I</li> <li>▪ ASTM C 920: Type S, Grade NS, Class 12 ½, Use T</li> </ul>
<u>% Recovery:</u>	550%		
<u>Movement Capability:</u>	± 12%		
<u>180° Peel Adhesion:</u> (Aluminum, 3 weeks cure)			
Ambient cure:	6.5 pli		
120°F (49°F) cure:	19.0 pli		
174°F (79°F) cure:	19.6 pli		
<u>Adhesion Characteristics:</u> (Federal Spec TT-S-001657)			
<u>Substrate</u>	<u>Loss of Cohesion</u>	<u>Loss of Adhesion</u>	
Mortar	0.5 sq. in. (Pass)	1.0 sq. in. (Pass)	
Glass	0.25 sq. in. (Pass)	1.0 sq. in. (Pass)	
Aluminum	0.5 sq. in. (Pass)	0.5 sq. in. (Pass)	