

Seal Bond[®] Industrial Solutions

Seal Bond[®] 201

High Performance Silicone Sealant

Product Description

Seal Bond[®] 201 is a neutral cure (100%) silicone sealant developed to provide optimal adhesion for high strength sealing applications. SB 201 boasts an enhanced formula package containing superior elasticity and long-term weatherability performance across a variety of industrial applications.

Product Information: Features

- One-Component Neutral Cure Silicone
- Chemical & Temperature Resistant
- Excellent UV & Weathering Properties
- Water Resistant
- Non-Corrosive

Substrate Compatibility

- ABS
- Aluminum
- Ceramics
- Coated Metal
- Fiberglass
- Glass
- PVC
- Stainless Steel
- Wood

Capability with additional substrates not listed. Application testing is recommended by Seal Bond as substrates may vary by manufacturer. Please reach out to your Seal Bond Representative for assistance.

Common Applications

- Window Glazing
- Plastic Bonding
- High Strength Sealing
- High Movement Joint Sealing

For additional applications, please contact your Seal Bond Representative for further information.

Typical Properties

Please contact your Seal Bond Representative before writing specifications based on SB 201. Product properties are as follows:

Property	Typical Value	Units	Test Method
Skin Time (@ 50% RH 70°F)	10	min	
Density	10.65	lbs/gal	ASTM D1475
Hardness	44	Shore A	ASTM C661
Tensile	352	psi	ASTM D412
Elongation at Break	560	%	ASTM D412
Lap Shear	149	psi	ASTM D1002
Peel Strength			
ABS	21.7	psi	ASTM C794
Acrylic	23.4		
Aluminum	25.1		
Glass	23.8		
PVC	24.2		
Modulus	114	psi	ASTM D412
Service Temperature	-40 - 400 (-40 - 204)	°F (°C)	
Application Temperature	0 - 120 (0 - 50)	°F (°C)	

*Seal Bond[®] 201 typical values represent data from multiple batches. Values will be refreshed, as necessary, upon data collection from additional campaigns and long-term variability discernment.

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Material Applications

Maintain SB 201 at room temperature before applying to ensure optimal dispensing and tooling. Tooling, if necessary, should be completed before skinning takes place. In applications where partial or total confinement is necessary, the time required for proper cure is generally lengthened by the degree of confinement. Increased temperature and humidity will accelerate skinning and curing. Inversely, decreased temperature and humidity will slow skinning and curing. SB 201 may discolor copper around applied or confined areas. Test and evaluate to ensure adequate adhesion for application prior to use. Use only on clean surfaces free of contaminants. components/clamps are affixed prior to expiration of the working. Do not over clamp as this could starve the joint of adhesive, impacting bond performance. Prior to dispensing on parts purge a small amount of material to ensure mixed material is on ratio. Test and evaluate to ensure adequate adhesion for application prior to use.

Surface Preparation

Surfaces should be clean and dry. Remove all grease, fluid, and debris from working surfaces. Improper cleaning could impede adhesion performance. For more thorough cleaning, wiping with a solvent such as isopropyl alcohol or acetone is suggested.

Plastic

Evaluate all plastic substrates to determine adhesion. Many plastic substrates will require minimal surface preparation for optimal adhesion performance. More difficult plastic substrates may require degreasing, abrasion, or treatment to ensure adhesion.

Metal

Prepare all metal to ensure maximum adhesion. Remove all rust, scale, and residue using a wire brush. Remove films, loose or inappropriate coatings and oils with an appropriate solvent such as isopropyl alcohol.

Most applications SB 201 will provide unprimed adhesion. Determination of primer requirement is the responsibility of the applicator based on the adhesion (performance) requirements of the application. Please reach out to your Seal Bond Representative should you have any application specific questions. *Seal Bond recommends that coated substrates be tested for proper adhesion prior to starting a project to determine suitability for use.

Clean-Up

Clean all working surfaces or tools with an appropriate solvent such as Isopropyl alcohol.

Equipment/Automation

Contact your Seal Bond Representative for support selecting proper automation or dispensing equipment suitable for your packaging style.

Material Storage/Disposal

Do not store at elevated temperatures. An elevated temperature and humidity can significantly reduce shelf life. Store securely between 60°F - 80°F in unopened container. Keep unused material tightly sealed in the original unopened package. Dispose of contents/ container in accordance with Local/Regional/National/International Regulations. Refer to the Safety Data Sheet (SDS) for further information.

Shelf Life

The Shelf Life is 12 months from the date of manufacture if stored properly in original unopened packaging at 70°F and 50% RH. Reference the date of manufacture (YYMMDD) printed on packaging. Example: 190522 is May 22, 2019

Colors

White/Clear

Additional colors options may be available upon request. Please contact your Seal Bond Representative for more information.

Packaging Options

10.1oz (300ml) Cartridges – 30 tubes/case, 64 cases/pallet

5 Gallon Pails – 36 pails/pallet

50-Gallon Drums – 4 drums/pallet

Additional packaging options may be available upon request. Please contact your Seal Bond Representative for more information.

Warranty

Seal Bond warrants that our products are manufactured to strict quality assurance specifications. For warranty information visit: www.seal-bond.com/terms

Precautionary Statements

Do not use until all instructions and safety precautions have been read and understood. Wear protective gloves, clothing and eye wear. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.
IF ON SKIN: Wash exposed body areas with soap and water.
IF IN EYES: Rinse with water, remove contact lenses and continue rinsing. If exposed or concerned, get medical advice/attention. Refer to the Safety Data Sheet (SDS) for further information.