

Seal Bond® Industrial Solutions

Seal Bond® 190

Semi Self-Leveling Sealant

Product Description

Seal Bond® 190 is a semi self-leveling sealant designed for use in horizontal and some vertical applications. SB 190 is based on moisture cure hybrid polymer technology that reacts and cross-links in the presence of moisture to provide unprimed adhesion to many substrates creating a durable seal with excellent weathering/UV resistance.

Product Information: Features

- One-Component Moisture Cure Hybrid
- 100% Solids "No Shrinkage"
- Semi Self-Leveling
- Solvent & Isocyanate Free
- Ultra-Low VOCs
- Water Resistant
- Permanent Elastomeric Bond

Substrate Compatibility

- ABS
- Acrylic
- Aluminum
- Ceramics
- Coated Metal
- Cold Rolled Steel
- EPS Foam
- 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

- General Sealing Applications
- Overlap Seam Sealing
- Transportation Sealant
- Commercial/Recreational Vehicle Repair

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

Standards & Compliance

- Conforms to OTC Rule for Sealants & Caulks
- Meets Requirements of California Regs: CARB, BAAQMD & SCAQMD

Typical Properties

Please contact your Seal Bond Representative before writing specifications based on SB 190. Product properties are as follows:

Property	Typical Value	Units	Test Method
VOC's	20.7	g/L	EPA Test Method 24
Skinover time (@ 50% R.H. 70 deg F)	25	Min.	ASTM D1640
Density	13.69	#/gal	ASTM D1475
Hardness	55	Shore A	ASTM C661
Peel Strength ABS Aluminum PVC Glass Acrylic Wood Cold Rolled Steel	16.1 15.2 12.8 13.1 6.7 13.7 14	pli	ASTM C794
Tensile	190	psi	ASTM D412
Elongation at Break	212	%	ASTM D412
Modulus	167	psi	ASTM D412
Service Temperature	-40 to 200	°F	
Application Temperature	40 to 200	°F	

*Seal Bond® 190 typical values represent data from multiple batches. Values will be refreshed, as necessary, upon data collection from additional campaigns and long-term variability discernment. Typical values may vary based on color.

Seal Bond[®] 190

Material Application

Maintain SB 190 at room temperature before applying to ensure optimal dispensing and tooling. 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 mild solvent such as isopropyl alcohol 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 190 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 or mineral spirits.

Equipment/Automation

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

Material Storage/Disposal

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. Reference the date of manufacture (YYMMDD) printed on packaging. Example: 190522 is May 22, 2019

Colors



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

Packaging

10.1 oz. (300 ml) cartridges - 24 tubes/case, 45 cases/pallet
2 liter pouches - 4 pouches/case, 40 cases/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, protective clothing and eye protection. 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 advise/attention. Refer to Safety Data Sheet (SDS) for further information.