

Seal Bond<sup>®</sup> Industrial Solutions

**Seal Bond<sup>®</sup> 110**

Extended Open Time Adhesive/Sealant

**Product Description**

Seal Bond<sup>®</sup> 110 is a multi-purpose, paintable, extended open time adhesive/sealant. SB 110 was developed to meet a variety of general bonding/sealing applications with primer-less adhesion to many substrates. The durable, elastic bond/seal created by SB 110 is capable of +/- 25% movement.

**Product Information: Features**

- One-Component Moisture Cure Hybrid
- 100% Solids “No Shrinkage”
- Extended Open Time
- 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.

**Potential Applications**

- General Bonding Applications
- Overpaint Applications
- Panel Manufacturing
- Trailer Manufacturing

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
- ASTM C920, Type S, Grade NS, Class 25 (Uses NT/T/G/A/O)
- Conforms to USDA Requirements for Non-food Contact

**Typical Properties**

Please contact your Seal Bond Sales Representative before writing specifications around this product. Product properties are as follows:

Property	Typical Value	Units	Test Method
<b>VOC's</b>	22.17	g/L	EPA Test Method 24
<b>Skinover time</b> (@ 50% R.H. 70 deg F)	30	Min.	ASTM D1640
<b>Density</b>	12.78	#/gal	D1475
<b>Hardness</b>	48	Shore A	ASTM C661
<b>Peel Strength</b> Aluminum Wood Glass PVC Cold Rolled Steel ABS Acrylic	32.9 32 28.4 26.7 29.5 17.6 9.8	pli	ASTM C794
<b>Tensile</b>	244	psi	ASTM D412
<b>Elongation at Break</b>	319	%	ASTM D412
<b>Modulus</b>	147	psi	ASTM D412
<b>Service Temperature</b>	-40 - 200	°F	

\*Seal Bond<sup>®</sup> 110 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<sup>®</sup> 110

### Material Application

Maintain SB 110 at room temperature before applying to ensure optimal dispensing and tooling. Test and evaluate to ensure adequate adhesion for application prior to use. If tooling is needed, do so within 15 minutes of application.

### 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 110 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. Avoid the use of water for clean-up.

### 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 and Storage

The Shelf Life is 10 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. (299 ml) cartridges - 30 tubes/case, 64 cases/pallet  
28 oz (825 ml) cartridges - 12 tubes/case, 60 cases/pallet  
20 oz (600 ml) sausages - 12 sausages/case, 90 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](http://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.