

Seal Bond[®] Construction Solutions

Seal Bond[®] 105

Structural Sealant and Adhesive

Product Description

Seal Bond[®] 105 is a multi-purpose one-component sealant/adhesive designed for difficult bonding and sealing applications. SB 105 is moisture curing and was developed for industrial uses requiring elasticity, high strength and excellent adhesion. SB 105 is an excellent choice for many product assembly applications. SB 105 is tough, elastic and waterproof. SB 105 often provides primerless adhesion to steel, aluminum, ceramics, Styrofoam[®], coated metal, glass, wood, fiberglass and many plastics. SB 105 is also suited for many applications requiring adhesion to concrete and cementitious building materials.

Product Information: Features

- 100% solids
- Fast skin over
- Safe to Use – Solvent & Isocyanate Free
- Ultra-low VOC's, 23.9 g/L
- May contribute to LEED V4 EQ Material Resource Credit 4.1 – Adhesives and Sealants
- Bonds to most common building substrates
- Remains flexible to absorb expansion and contraction

Substrate Compatibility

- Aluminum
- Coated Metal
- Glass
- Wood
- EPS Foam
- Stainless Steel
- Cold Rolled Steel
- Concrete
- Block and Brick
- Ceramics
- Fiberglass
- Many plastics

Standards & Compliance

- May contribute to LEED V4 EQ Material Resource Credit 4.1 – Adhesives and Sealants
- Federal Specification TT-S-00230-C Type II, Class B
- Corps of Engineers CRD-C-541, Type II, Class B
- Conforms to OTC Rule for Sealants and Caulks
- Meets requirements of California Regs: CARB, BAAQMD and SCAQMD
- Conforms to USDA Requirements for Non-food Contact

Ease of Installation

- Single component high solids formula
- Easily gunnable between 40° F and 100° F
- Cures rapidly to reach optimum strength within 7 – 14 days, optimum cure 21 days
- SB 105 can be installed on damp surfaces which is defined as when no moisture is transferred to the skin when the substrate is touched

High Performance Durability

- Does not dry or become brittle
- Water resistant
- Permanent elastomeric bond

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
VOC's	23.9	g/L	ASTM C1250
Skinover time @ 50% R.H. 70 deg F	7	Min.	ASTM C679
Density	11.99 - 12.86	#/gal	
Hardness	55	Shore A	ASTM D676
Peel Strength Aluminum Mortar Glass Pine PVC Cold Rolled Steel	30.4 32.8 39 39.9 37.1 36.2	pli	ASTM D903
Tensile	431	psi	ASTM D412-06
Elongation at Break	501	%	ASTM D412-06
Chemistry	Hybrid Polymer		
Shrinkage	0%		
Service Temperature	-40° F to 200° F		
Viscosity	4,720,000 2,840,000 896,000	cps @ 1 RPM cps @ 2 RPM cps @ 10 RPM	ASTM D2196-10

SB 105 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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Application

Remove all dirt, oil, loose paint, frost and other contamination from all working surfaces. Maintain SB105 at room temperature before applying to ensure easy gunning and tooling. Test and evaluate to ensure adequate adhesion.

Concrete

Prior to application remove any residual contamination by mechanical abrasion, sand blasting or power washing. On green concrete, remove all release agents and loose concrete. Dry all visible and/or standing water. Install an appropriate backer rod to avoid three-point bonding.

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 alcohol.

*Seal Bond recommends that coated substrates be tested for proper adhesion prior to starting a project to determine suitability for use.

Wood

Wood should be clean, sound and dry prior to sealant application. Allow treated wood to weather for six months prior to application. Remove all coatings and paint to ensure proper adhesion. SB 105 is not recommended for use on fire retardant lumber.

Priming

In most applications SB 105 will not require a primer. However, certain substrates may require a primer to ensure a long lasting bond and weatherproof seal. It is the applicator's responsibility to determine whether or not a primer is needed in their specific application.

Clean-up

Clean tools with mild solvent such as mineral spirits.

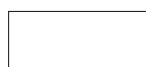
Material Storage/Disposal

Store securely between 60° F - 80° F in unopened container. Recommended shelf life is 12 months from date of manufacture on bottom of tube. Keep tube tightly sealed. Dispose of contents/container in accordance with Local/Regional/National/International Regulations. Refer to Safety Data Sheet (SDS) for further information.

Shelf Life and Storage

The shelf life is 12 months for an unopened container from the date of manufacture. Reference the date of manufacture. YYMMDD ex. 190522 is May 22, 2019.

Colors



White



Black



Gray

Packaging

10.1 oz. (300 ml) cartridges - 30 tubes/case, 64 cases/pallet
28 oz. (828 ml) cartridges - 12 tubes/case, 60 cases/pallet

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.