

Seal Bond[®] Construction Solutions

Seal Bond[®] 490

Liquid Flashing

Product Description

Seal Bond[®] 490 is a professional grade liquid flashing for sealing roof penetrations, metal roof seams, gutters and other building envelope applications. SB 490 is a one-part formulation with semi-self-leveling properties for both horizontal and vertical application. SB 490 is based on moisture cure hybrid polymer technology that reacts and cross-links in the presence of moisture to provide a durable seal with excellent weathering and UV resistance and performs in temperatures from -40° F to 200° F.

Product Information: Features

- 100% solids – no shrinkage
- Low dirt pickup
- Safe to Use – Solvent & Isocyanate Free
- Ultra-low VOC's, 20.7 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
- SBS Mod. Bit.
- Stainless Steel
- Cold Rolled Steel • Concrete
- Ceramics
- Fiberglass
- Primed TPO
- 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 I, Class B
- Corps of Engineers CRD-C-541, Type I, Class B
- Conforms to OTC Rule for Sealants and Caulks
- Meets requirements of California Regs: CARB, BAAQMD and SCAQMD

Ease of Installation

- Single component high solids formula
- Easy to apply between 40° F and 100° F
- Cures rapidly to reach optimum strength within 7 – 14 days
- SB 490 can be installed on damp surfaces

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	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	16		
Acrylic	6.7		
Aluminum	15	pli	ASTM C794
Mortar	9.3		
Glass	13		
Pine	13.7		
PVC	12.8		
Tensile	190	psi	ASTM D412
Elongation at Break	212	%	ASTM D412
Chemistry	Polyether		Hybrid Polymer
Shrinkage	0%		0%
Service Temperature	-40° F to 200° F		

SB 490 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 SB 490 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 490 is not recommended for use on fire retardant lumber.

Priming

In most applications SB 490 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



Black



Gray



White

Packaging

10.1 oz. (300 ml) cartridges - 24 tubes/case, 45 cases/pallet
2 liter pouches - 4 pouches/case, 40 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.