

Seal Bond[®] Construction Solutions

Seal Bond[®] 490

1-Part Pourable Sealant-Liquid Flashing

Product Description

Seal Bond[®] 490 is a professional grade pourable sealant for use in pitch pans, curb systems, and other liquid flashing applications. It can be used for general roof repairs, roof seams, fasteners, gutters, and other building envelope applications. SB 490 is a 1-Part formulation with self-leveling properties for horizontal applications. SB 490 is based on polyether technology that reacts with moisture to form a strong and flexible seal. SB 490 is suitable for applications in wet, dry, or low temperature climate conditions. The product has excellent weathering and UV resistance and performs in temperatures from -40° F to 200° F.

Product Information: Features

- 100% Solids - No Shrinkage
- Ready to Use-No Mixing Required
- Low Dirt Pickup
- No bubbling or off-gassing in the presence of moisture
- Safe to Use - Solvent & Isocyanate Free
- Ultra-low VOC's, 17.94 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

- SBS Mod Bit/BUR
- Asphalt
- PVC / PIB*
- TPO with TPO Primer*
- Single-Ply Membranes
- Prepared APP
- EPDM*
- Aluminum
- Coated Metal
- Cold Rolled Steel
- Concrete
- Metal
- Solar Mounting Systems

*Specific substrates may require additional preparation or priming.

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

- Cures to optimum strength within 7 - 14 days
- SB 490 can be installed on damp surfaces
- No Mixing
- Many compatible substrates
- Install in dry, wet, or cold temperatures
- Sealant will not freeze

Product Description

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

Product Description

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	17.94	g/L	ASTM C1250
Skinover time @ 50% R.H. 70 deg F	20	Min.	ASTM C679
Density	13.61	#/gal	
Hardness	54	Shore A	ASTM D676
Peel Strength			
ABS	11	pli	ASTM D903
Acrylic	7.6		
Aluminum	10		
Mortar	5.6		
Glass	7.7		
Pine	5.4		
PVC	9.7		
Tensile	179	psi	ASTM D412-06
Elongation at Break	105	%	ASTM D412-06
Chemistry	Polyether		
Shrinkage	0%		
Service Temperature	-40° F to 200° F		
Viscosity	235,000 165,000 87,500	cps @ 1 RPM cps @ 2 RPM cps @ 10 RPM	ASTM D2196-10

SB 490 values represent data from multiple batches. Values will be refreshed, as necessary, upon data collection from additional campaigns and long-term variability discernment.

Roofing

Make sure substrate is clean and free of contaminants such as dirt, rust, loose gravel or granules, previously applied caulks or sealants and anything else that may affect proper adhesion and performance. Maintain SB 490 at room temperature before applying to ensure easy gunning and pourability. Test and evaluate to ensure adequate adhesion. When using SB 490 as a curb or pitch pan sealer, follow the form manufacturer's recommended instructions. Use SB 500 to seal the base and 1" above the pitch pan or curb height of all penetrations to prevent sealer from flowing through the opening. Cut the widest point of tip or nozzle of cartridge and puncture the foil seal. Use caulk gun to pump SB 490 into pitch pan or curb. When using the 2 liter pouch option, remove the cap and pour sealant into pitch pan or curb. If there is remaining sealant in the pouch, squeeze the air out of pouch and reseal for reuse.

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.

Metal

Prepare all metal to ensure maximum adhesion. Remove all rust, scale and residue using a wire brush. Remove all contaminants including dirt, oil, rust, old sealants and coatings 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.

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 installers responsibility to follow the manufacturers recommendations to determine whether or not a primer is needed in their specific application.

Clean-Up

Clean tools with isopropyl alcohol or mineral spirits. Avoid using water for cleanup.

Material Storage and Disposal

Store securely between 60° F - 80° F in unopened container. 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.

Limitations

- Some roofing membranes including APP, EPDM and TPO may require preparation or primer before using SB 490 sealant. Please consult manufacturers recommendations.
- SB 490 is recommended for flat roof or level applications. For low slope or steep applications, consult Seal Bond Technical Services.
- Do not use grout, sand, gravel or any other fillers in pitch pan or curb applications.
- Do not store unused product in direct sunlight, temperatures above 80°F, or high humidity conditions as this will affect the shelf life of the product.
- Do not use on TPO without TPO primer.
- Do not use on Hypalon membranes.
- Smooth APP membranes require preparation of granulated surface of modified bitumen around the penetration.
- Do not use in areas subject to continuous immersion.
- Do not prime bonding surfaces with asphalt primer.
- Test and evaluate all paints before application.

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.