

Seal Bond[®] Construction Solutions

Seal Bond[®] MSL

Self Leveling Joint Sealant and Coating

Product Description

Seal Bond[®] MSL is a professional grade one-part, self-leveling, sealant/coating formulated for low movement joint and coating applications requiring quick cure and excellent weatherability including high UV resistance. SB MSL reacts with moisture to form a strong yet flexible all-weather seal. SB MSL is tough, elastic and waterproof. SB MSL can be used on damp surfaces; however pooled water and surface frost should be removed before application. Installation in high humidity conditions is acceptable.

Product Information: Features

- 100% solids – no shrinkage
- Fast skin over – low dirt pickup
- Safe to Use – Solvent & Isocyanate Free
- Ultra-low VOC's, 25.7 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
- 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
- ASTM C-920, Type S, Grade P, Class 25, use T, M, A, G and O/
- Federal Specification TT-S-00230-C Type 1, Class A
- Corps of Engineers CRD-C-541, Type I, Class A
- 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 MSL 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	25.7	g/L	ASTM C1250
Skinover time @ 50% R.H. 70 deg F	15	Min.	ASTM C679
Density	13.69	#/gal	
Hardness	48	Shore A	ASTM D676
Peel Strength Aluminum Mortar Glass Pine PVC Cold Rolled Steel	14.57 14.33 14.33 11.01 13.41 12.09	pli	ASTM D903
Tensile	168	psi	ASTM D412-06
Elongation at Break	184	%	ASTM D412-06
Chemistry	Polyether		
Shrinkage	0%		
Service Temperature	-40° F to 200° F		
Viscosity	80,000 63,000 45,400	cps @ 1 RPM cps @ 2 RPM cps @ 10 RPM	ASTM D2196-10

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

Seal Bond[®] MSL

Application

Remove all dirt, oil, loose paint, frost and other contamination from all working surfaces. Maintain SB MSL 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 MSL is not recommended for use on fire retardant lumber.

Priming

In most applications SB MSL 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 - 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.