

Seal Bond® Construction Solutions

Seal Bond® 415

Gutter & Seam Sealant

Product Description

Seal Bond® 415 is a professional grade gutter & seam sealant. Formulated especially for sealing aluminum, galvanized and vinyl clad gutters and downspouts. SB 415 is a one-part formulation with semi-self-leveling properties for both horizontal and vertical applications. SB 415 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, 16.29 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

- Seals around most common gutter, aluminum and downspout materials

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 415 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	16.29	g/L	ASTM C1250
Skinover time @ 50% R.H. 70 deg F	18	Min.	ASTM C679
Density	12.13	#/gal	
Hardness	40	Shore A	ASTM D676
Peel Strength			
ABS	11		
Aluminum	18		
Mortar	19		
Glass	18	pli	ASTM D903
Pine	19		
PVC	18		
Cold Rolled Steel	18		
Tensile	131	psi	ASTM D412-06
Elongation at Break	342	%	ASTM D412-06
Chemistry	Hybrid		
Shrinkage	0%		
Service Temperature	-40° F to 200° F		
Viscosity	460,000 267,500 112,000	cps @ 1 RPM cps @ 2 RPM cps @ 10 RPM	ASTM D2196-10

SB 415 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[®] 415

Application

Remove all dirt, oil, loose paint, frost and other contamination from all working surfaces. Maintain SB 415 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 415 is not recommended for use on fire retardant lumber.

Priming

In most applications SB 415 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



Aluminum Gray



Medium Bronze

Packaging

10.1 oz. (300 ml) cartridges - 24 tubes/case, 45 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.