

Seal Bond[®] Industrial Solutions

Seal Bond[®] 212K

2-Component Elastomeric Adhesive

Product Description

Seal Bond[®] 212k is a two-component, solvent-free elastomeric adhesive based on hybrid chemistry, designed for elastic structural bonding of a wide range of substrates. The product cures independent of moisture producing rapid strength development and excellent environmental resistance.

Product Information: Features

- Two-Component Hybrid Adhesive
- Excellent Environmental Properties
- Non-Sag Formulation
- High Elongation
- Moderate Working Time

Substrate Compatibility

- Aluminum
- Cold Rolled Steel
- Fiberglass
- Glass
- Stainless Steel
- Wood

Capability with additional substrates not listed. Application testing is recommended by Seal Bond as substrates may vary by manufacturer. Please reach out to your Seal Bond Representative for assistance.

Common Applications

- Glass Bonding
- Trailer Manufacturing
- Metal Bonding

For additional applications, please contact your Seal Bond Representative for further information.

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
Skin Time	22	Min.	ASTM D1640
Hardness	46	Shore A	ASTM C661
Density (Mixed)	12.73	lbs/gal	ASTM D1475
Mix Ratio (A:B)	1:1	Volume	
Peel Strength Aluminum Glass Pine Cold Rolled Steel	47.6 42.4 32.2 39.6	pli	ASTM C794
Tensile	221	psi	ASTM D412-06
Lap Shear	221.6	psi	D1002
Elongation	464	%	ASTM D412-06
Service Temperature	-65 - 250 (-53 - 121)	°F (°C)	
Application Temperature	65 - 85 (18 - 30)	°F (°C)	

Seal Bond[®] 212k 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

Maintain SB 212k at room temperature for 24 hours before applying to ensure optimal performance/cure. Temperatures below 65°F (18°C) will slow cure/fixture speed. Adversely, temperatures above 85°F (30°C) will increase cure/fixture speed. Prior to dispensing on parts purge (1) static mixer worth of material to ensure mixed material is on ratio. Test and evaluate to ensure adequate adhesion for application prior to use.

Surface Preparation

Surfaces should be clean and dry. Remove all grease, fluid, and debris from working surfaces. Improper cleaning could impede adhesion performance. For more thorough cleaning, wiping with a mild solvent such as isopropyl alcohol is suggested.

Plastic

Evaluate all plastic substrates to determine adhesion. Some plastic substrates may require minimal surface preparation for optimal adhesion performance. More difficult plastic substrates may require degreasing, abrasion, or treatment to ensure adhesion.

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 isopropyl alcohol.

Many applications SB 212k will provide unprimed adhesion. Determination of primer requirements is the responsibility of the applicator based on the adhesion (performance) requirements of the application. Please reach out to your Seal Bond Representative should you have any application specific questions.

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

Clean-up

Clean all working surfaces or tools with an appropriate solvent such as Isopropyl alcohol or mineral spirits prior to curing.

Equipment/Automation

Contact your Seal Bond Representative for support selecting proper automation or dispensing equipment suitable for your packaging style

Material Storage/Disposal

Store securely between 60°F - 80°F in unopened container. Keep unused material tightly sealed in the original unopened package. Dispose of contents/container in accordance with Local/Regional/National/International Regulations. Refer to the Safety Data Sheet (SDS) for further information.

Shelf Life and Storage

The Shelf Life is 9-12 months from the date of manufacture if stored properly in original unopened packaging. Reference the date of manufacture (YYMMDD) printed on packaging. Example: 190522 is May 22, 2019

Colors



Dark Gray

Packaging

400ml Dual Cartridges
Mixer Recommendation: MCH 13-18T
Bulk Kits (50-gallon Drums & 5-gallon Pails)

Additional packaging options may be available upon request. Please contact your Seal Bond Representative for more information.

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.