

Seal Bond® Construction Solutions

Seal Bond® 405

Clear General Purpose Adhesive Sealant

Product Description

Seal Bond® 405 is a one-part, non-slump, moisture cure sealant/adhesive that cures to form a tough rubber with long-term flexibility and durability. Due to the formulation, SB 405 offers advanced adhesion to a variety of surfaces including porous substrates, vinyl, some plastics, fiberglass, metals, woods and more. SB 405 emits a low odor which makes it ideal for confined work spaces or occupied areas. It is extremely resistant to UV degradation, yellowing, temperature extremes and most chemicals. It is a 100% RTV Silicone and will remain easy to dispense and tool even at cold temperatures. SB 405 has excellent physical properties and will continue to perform long-term in a variety of applications.

Product Information: Features

- Non-Corrosive
- Advanced Adhesion Properties
- Low Odor
- Resistant to UV Degradation and Weathering
- Resists Extreme Temperatures & Chemicals
- One-Component, Easy to Used Formula
- 25% Joint Movement Capability
- Mold & Mildew Resistant

Additional Features

- Easy to extrude at cold temperatures
- Non-slump, can use on overhead & vertical applications
- Excellent for indoor and outdoor applications
- Creates a waterproof seal

Standards & Compliance

- ASTM C920 Class 25, Type S, Grade NS, Use NT, G, O
- TT-S-01543A
- TT-S-00230-C
- VOC Compliant (21 grams/liter ASTM D2369)

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	21	g/L	ASTM D2369
Viscosity	920,000 cps (Spindle 7, 4 rpm)		
Skin Formation	20 minutes (70°F, 50% RH)	min.	
Density	8.5 lbs	lbs/gal	ASTM D1475
Hardness	23	Shore A	ASTM C661
Modulus 100%	0.37 MPa		ASTM D412
Tensile	260	psi	ASTM D412
Elongation at Break	560	%	ASTM D412
Application Temperature	0°F to 120°F		
Gun Grade	Non-slump/PASS		
QUV Testing	PASS (10,000 hrs)		ASTM G26
Service Temperature	-50°F to 400°F		
Typical Cure Rate	24 hrs. (1/8" bead)		

Seal Bond[®] 405

Common Applications

SB 405 is an excellent sealant/adhesive for many commercial, industrial and construction applications such as:

- Walk-in freezer manufacturing & installation
- RV & Trailer manufacturing
- Vinyl, metal & aluminum siding & roofing
- Fiberglass waterproof sealing
- Industrial manufacturing applications
- Concrete Joint Sealant
- HVAC Applications
- Glass glazing
- Lead wire entry installation
- Sheet metal work & sealing
- Marine application
- General sealing & bonding applications
- *Can be used for additional applications not listed. Seal Bond recommends testing to determine fitness for use.*

Directions

SB 405 is ready to use and requires no mixing or additives. Tooling, if necessary, should be done before skinning takes place. In applications where partial or total confinement of sealant is prevalent, the time required for proper cure is generally lengthened by the degree of confinement. Higher temperature and higher humidity will accelerate skin & cure time. Cold temperatures and low humidity will slow down skin & cure time.

Clean Up

Clean tools with an appropriate solvent such as alcohol.

Colors

Clear

Packaging

SB 405 is stocked in cartridges, pails and drums. It can also be packaged into quart cartridges, sausage packs, semcos and pouches. Inquire to Seal Bond for additional information.

Caution/Safety

Please refer to the SDS for the corresponding product for information regarding safety and handling.

Limitations

Do not store at elevated temperatures. Use only on clean surfaces free of contaminants. Cold temperature and low humidity will slow curing. SB 405 can discolor copper around applied area or confined area.

Common Building Substrates

Seal Bond 405 can be used on a variety of substrates. Please inquire or test your substrates before use. Substrates may vary with manufacturer. We have listed some common substrates:

- Glass
- Concrete, brick, mortar
- Marble & granite
- Most metals
- Most types of wood
- Most fiberglass
- Aluminum
- Ceramic
- Natural & synthetic fiber
- Most painted surfaces
- Some plastics
- *Can be used on additional substrates not listed. Seal Bond recommends testing to determine fitness for use.*

Surface Preparation

All surfaces should be dry and clean. Alcohol or acetone can be used to clean the surface depending on the substrate. Priming for SB 405 is not normally required. If a primer is required, please inquire with your Seal Bond sales representative. Unprimed adhesion can be easily tested by applying a small trial bead and allowing 7 days for maximum adhesion to occur.

Testing

Test per application requirement. Allow 7 days for maximum strength to develop before testing adhesion or strength.

Storage

When stored at 70°F and 50% RH, SB 405 has a shelf-life of 12 months in cartridges, squeeze tubes, pails & drums. High temperature and high humidity can significantly reduce shelf-life.

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.