

Seal Bond® Construction Solutions

Seal Bond® 404

100% RTV Silicone

Product Description

SB 404 is a 100% RTV Silicone that is UL & NSF Recognized. SB 404 is a one-part, moisture-curing RTV (room temperature vulcanizing) silicone that cures to a strong, silicone rubber that maintains long-term durability and flexibility. SB 404 100% RTV Silicone is a non-slump sealant and can be applied to vertical or overhead surfaces without flowing or sagging. Because SB 404 is a 100% RTV silicone sealant, it has excellent resistance to weathering including ozone, ultra-violet radiation, freeze-thaw conditions and airborne chemicals.

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
- MIL-A-46106A
- NSF Standard 51
- UL Recognized
- VOC Compliant (23 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	23	g/L	ASTM D2369
Viscosity	1,000,000 cps (Spindle E, 2rpm)		
Skin Formation	20 minutes (70°F, 50% RH)	min.	
Density	8.5 lbs	lbs/gal	ASTM D1475
Hardness	32	Shore A	ASTM C661
Modulus 100%	67	MPa	ASTM D412
Tensile	231	psi	ASTM D412
Elongation at Break	395	%	ASTM D412
Peel Strength			
ABS	19.69		
Aluminum	19.35		
Mortar	16.06		
Glass	24.3		
Cold Rolled Steel	28.7		
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)		

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Common Applications

SB 404 is an excellent sealant/adhesive for many commercial, industrial and construction applications such as:

- Formed-in-place gaskets for axle housings, differentials, junction box covers, etc.
 - Adhering appliance trim and sealing appliance parts
 - Adhering name plates, letters and signs
 - Sealing joints in ductwork
 - Sealing truck trailers, cabs, marine portholes and cabins
 - Sheet metal
 - Sealing aquariums
 - Skylights
- *Can be used for additional applications not listed. Seal Bond recommends testing to determine fitness for use.*

Directions

SB 404 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

Translucent

Packaging

SB 404 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 404 can discolor copper around applied area or confined area.

Common Building Substrates

Seal Bond 404 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 404 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 404 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.