

# SIL-BOND 4500

## HIGH STRENGTH SILICONE SEALANT



### Description

Sil-Bond (RTV 4500) is a one component room temperature vulcanizing RTV acetoxy cure silicone sealant and adhesive that has been chemically formulated for high strength adhesion. When fully cured, this unique VOC compliant formula offers UV stability and excellent adhesion to form waterproof and airtight bonds to many common substrates. This product is specifically formulated to offer all weather performance to meets today's Green Building Standards.

### Features & Applications

High Strength  
Excellent Weatherability  
UV Stable  
Non-Yellowing  
VOC Compliant  
Non-Flammable  
Waterproof  
Excellent Adhesion  
Non-Shrinking

Sealing & Glazing  
HVAC/R  
Plumbing  
Roofing  
Kitchen And Bath  
Countertops  
Sanitary Seals  
Precast Concrete  
Transportation Seals  
Marine Cabins  
Appliance Trim  
Interior/Exterior  
Above Grade

### Packaging & Case Qty

2.8 oz squeeze tubes	48
10.3 oz cartridges	24
5 gallon pails (4.5 gal)	1
55 gallon drums (52 gal.)	1

### Specifications

ASTM C920 Type S, Grade NS, Class 25; TT-S-00230C, TT-S-01543A, MIL-A-46106A, FDA CFR 177.2600, USDA Approved, NSF 51, UL Recognized Component.



**Available Colors:** White, Black Aluminum, Bronze (*Custom colors available upon request*)

PHYSICAL PROPERTIES		TEST METHOD
Cure System	Acetoxy	
Movement Capability, %	±25%	ASTM C-719
Modulus	Medium	ASTM D-412
Physical Properties (cured)	Rubber	
Specific Gravity	1.04	
Extrusion Rate, g/min.	370	ASTM C-1183
1/8" orifice @ 50 psi		Modified
Temperature Range	-62 to 350° F	
Intermittent Temperature Range	400° F	
Accelerated Weathering (10,000 hrs)	No Change	QUV Weatherometer
Skin Over Time (min)	10*	SILCO Method
Tack Over Time (min)	17*	ASTM C-679
Cure Rate	1/8" per 24hrs*	SILCO Method
Tensile Strength (psi)	170 min	ASTM D-412
Elongation %	350 min	ASTM D-412
Durometer Shore A	25 ± 5	ASTM C-661
Dielectric Strength kv/mm (v/mil)	20 (500)	
Dielectric Constant at 100 Hz	2.7 @ 60	
Shelf Life (months)	24	
Volatile Organic Content	30 gr./liter	

\*All Properties derived from lab conditions (77° F at 50% relative humidity)  
Test results are averages obtained under laboratory conditions. Reasonable variations can be expected. Customer testing is recommended prior to full use.