

SIL-BOND RTV-6500 (Acetoxy)

HIGH TEMPERATURE 1-PART INDUSTRIAL/CONSTRUCTION GRADE SILICONE SEALANT

Sil-Bond (RTV 6500) is a premium high temperature one component room temperature vulcanizing RTV acetoxy cure silicone sealant and adhesive. When fully cured, this unique VOC compliant formula offers tenacious adhesion to form waterproof and airtight bonds to materials in high temperature scenarios, such as: metal, steel, tile, ceramic, glass, aluminum, painted surfaces, marble and many other common substrates. This product is specifically formulated to offer all weather performance to meets today's Green Building Standards.

FEATURES & BENEFITS

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

CONSTRUCTION & INDUSTRIAL APPLICATIONS

Sealing & Glazing	Flues & Venting
HVAC/R	Transportation Seals
Plumbing	Appliance Trim
Roofing	Interior/Exterior
Kitchen & Bath	Above Grade
Furnace & Fireplace	

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

AVAILABLE COLORS: Red

PHYSICAL PROPERTIES

TEST METHOD

PHYSICAL PROPERTIES	TEST METHOD
Cure System	Acetoxy
Movement Capability, %	±25%
Modulus	Medium
Physical Properties (Cured)	Rubber
Specific Gravity	1.04
Extrusion Rate, g/min.	370
1/8" orifice @ 50 psi	Modified
Temperature Range	-62°F to 500°F
Intermittent Temperature Range	650°F
Accelerated Weathering (10,000 hrs.)	No Change
Skin Over Time (min)	10*
Tack Over Time (min)	17*
Cure Rate	1/8" per 24hrs*
Tensile Strength (psi)	310
Elongation %	500
Durometer Shore A	26
Dielectric Strength kv/mm (v/mil)	20 (500)
Dielectric Constant at 100 Hz	2.9 @ 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.

