



HIGH TEMPERATURE 1-PART INDUSTRIAL/CONSTRUCTION GRADE SILICONE SEALANT

Chem-Set™ (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
- HVAC/R
- Plumbing
- Roofing
- Kitchen & Bath
- Furnace & Fireplace
- Flues & Venting
- Transportation Seals
- Appliance Trim
- Interior/Exterior
- Above Grade

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
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°F to 500°F	
Intermittent Temperature Range	650°F	
Accelerated Weathering (10,000 hrs.)	No Change	QUV Weatherometer
Skin Over Time (min)	10*	MNA Method
Tack Over Time (min)	17*	ASTM C-679
Cure Rate	1/8" per 24hrs*	MNA Method
Tensile Strength (psi)	310	ASTM D-412
Elongation %	500	ASTM D-412
Durometer Shore A	26	ASTM C-661
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.