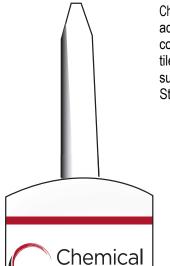


# RTV 4500(ACETOXY) **Silicone**

# 1- Part Industrial / Construction



# HIGH STRENGTH 1-PART INDUSTRIAL/CONSTRUCTION GRADE SILICONE SEALANT

Chem-Set™ (RTV4500) 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 metal, steel, tile, fiberglass, ceramic, glass, aluminum, painted surfaces, wood, plywood, marble, plus many other common substrates. This product is specifically formulated to offer all weather performance to meets today's Green Building Standards.

#### **FEATURES & BENEFITS**

# **CONSTRUCTION & INDUSTRIAL APPLICATIONS**

High Strength
<b>Excellent Weatherability</b>
UV Stable
Non-Yellowing
VOC Compliant
Non-Flammable
Waterproof
<b>Excellent Adhesion</b>
Non-Shrinking

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

MEETS SPECIFICATIONS: ASTM C920 Type S, 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: Clear, White, Black, Aluminum, Almond, Bronze, Gray, Trans White (custom colors available upon request)

# High Performance Sealant

concepts

**RTV 4500** 

Silicone

- 100% Silicone (Acetoxy)
- Permanent FlexibilityExcellent Weatherability, Long Life
- Warning: Not Paintable
  Temperature Use Range:
  -62° F to 500° F continuous
  -62° F to 650° F intermittent

# Meets Specifications:

FDA CFR, 177.2600 MIL-A-46106 USDA Rating P-1 ASTM-C920 - Type S, NS, Class 25 TT-S-001543A (COM-NBS) TT-S-00230C (COM-NBS) UL - UL File No. (E163851) (E40195) (Type 5002) Certified to NSF / ANSI STD.51

NET 10.3 U.S. FL. OZ. (305 ml.)

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 350°F	
Intermittent Temperature Range	400°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	2.7 @ 60	
Shelf Life (months)	24	
Volatile Organic Content	30 gr./litre	

<sup>\*</sup>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.

