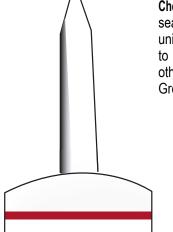


RTV 4500(ACETOXY) **Silicone**

1- Part Industrial / Construction

CONSTRUCTION & INDUSTRIAL APPLICATIONS



Chemical

concepts

RTV 4500

Silicone

HIGH STRENGTH 1-PART INDUSTRIAL/CONSTRUCTION GRADE SILICONE SEALANT

Chem-Set™ (RTV 4500) is a one-component room temperature vulcanizing RTV acetoxy cure extended 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 High Strength

Sealing & Glazing HVAC/R Plumbing Roofing Kitchen And Bath Countertops Sanitary Seals

Precast Concrete Transportation Seals Marine Cabins Appliance Trim Interior/Exterior Above Grade

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

Easy to apply, offers excellent adhesion to a variety of nonporous substrates, such as glass, glazed ceramic tiles and aluminum; nonslump.

MEETS SPECIFICATIONS: UL Recognized Component.

AVAILABLE COLORS: Aluminum, Black, Clear, White, Gray, Bronze and Red.

High Performance Sealant

- 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



| 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 | |

^{*}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.

