

1. PRODUCT NAME

#500 RTV SILICONE

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

#500 RTV Silicone adhesive is a single component, silicone adhesive sealant which cures to a rough, rubbery solid at room temperature on exposure to water vapor in the air (acetoxo cure.) #500 RTV can be applied overhead without sagging. Adheres to clean substrates such as metals, glass, most woods, ceramics. #500 RTV was formulated to perform at temperatures ranging from -86°F to 400°F continuously and at 425°F intermittently.

Advantages

- 100% Silicone
- Permanent Flexibility
- Excellent Weatherability Long Life.

Uses

For the making of gaskets in heating and refrigeration units, applying brackets or nameplates, sealing windows, anti-abrasion coating, sealing marine cabinets, caulking joints and applying ceramic wear tiles. Also a sealant for venting high efficiency furnaces.

4. APPLICATION INSTRUCTIONS

- 1) Surface must be clean, dry and free of dirt and oil. Do not apply if frost is present.
- 2) Cut tip to desired bead size. Dispense with caulking gun.
- 3) Apply sealant at 45° angle by pushing sealant ahead of nozzle.
- 4) Work material with putty knife or similar tool
- 5) Allow 30 minutes to touch; 24 hours for full cure and strength.

Packaging

3.0 fl. Oz. tubes, 10.3 fl. Oz. cartridges, 5 gallon pails, 55 gallon drums

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for min. 12 months.

Limitations

- Not for use on wet or oily surfaces.
- Do not use if frost is present

Cautions

- Wear chemical goggles and NIOSH approved respirator. Wear proper protective clothing and gloves to prevent direct contact of resins. Consult Material Safety Data Sheet for full listing protective requirements.
- #500 RTV may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.
- For professional use only.
- Keep out of reach of children.

5. SPECIFICATIONS

FDA 21 CFR. 177.2600, USDA, NSF51, MIL-A-46106, ASTM C 920, TT-S-111543A, TT-S-00230C (COM-NBS), UL File No. E 163852 (E40195) (TYPE 37132, AMEND.2, TYPE 1.

6. TECHNICAL DATA

Performance Properties
Test/Test Method Results

Cure System	Acetoxo
Physical Properties (cured)	Rubber
Specific Gravity	1.04
Extrusion Rate, g/min.	330
Temperature Range	-62 to 400F
Intermittent temperature Range	450F
Skin Over Time(min)	10
Tack Over time (min)	20
Cure Time (hours)	24
Peel Strength:	
Aluminum	18piw
Steel	20 piw
Tensile Strength	363 psi
Elongation %	640
Durometer Shore A	26
Dielectric Strength kv/mm (v/mil)	20 (500)
Dielectric Contant at HZ	2.9 @60
Shelf Life (months)	12

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