

#500 RTV RED

SILICONE/ADHESIVE HIGH TEMPERATURE RED

1. PRODUCT NAME

#500 RTV HIGH TEMP RED SILICONE

2. MANUFACTURER

Polygem, Inc.
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3. PRODUCT DESCRIPTION

#500 RTV HIGH TEMP RED ADHESIVE is a single component, non-sag gel, that cures to a tough rubbery solid at room temperature on exposure to water vapor in the air. It was formulated to perform at temperatures ranging from -85F to 500F continuously and at 600F for intermittent exposures

Advantages

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

Uses

Applying ceramic tiles and bricks, sealing and encapsulating heating elements in appliances, bag filters on smoke stacks and manifolds or 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. Optimum adhesion is obtained in 7 to 10 days curing time.

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. Also recognized component directory for Underwriters Laboratory

6. TECHNICAL DATA

Performance Properties
Test/Test Method Results

Cure System	Acetoxxy
Physical Properties (cured)	Rubber
Specific Gravity	1.04
Extrusion Rate, g/min.	350
Temperature Range	-62 to 400F
Intermittent temperature Range	450F
Skin Over Time(min)	6
Tack Over time (min)	15
Cure Time (hours)	24
Peel Strength:	
Aluminum	18piw
Steel	20 piw
Tensile Strength	350 psi
Elongation %	640
Durometer Shore A	32
Dielectric Strength kv/mm (v/mil)	20 (500)
Dielectric Contant at HZ	2.9 @60
Shelf Life (months)	12

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