

# MAY 620

## RED HIGH TEMPERATURE SILICONE

### 1 – DESCRIPTION

**MAY 620 RED HIGH TEMPERATURE SILICONE** is a high-performance silicone sealant developed for sealing, bonding and repairing works where heat resistance is required. It is an ideal sealant for high temperature construction applications. It reacts with atmospheric moisture to produce a tough, elastic silicone.

### 2 – PROPERTIES

- Excellent heat resistance after curing up to 250°C permanently and up to 300°C temporarily.
- Acetoxy cure, RTV silicone.
- 100% silicone.
- Fast cure, high strength.
- Resists to mechanical enforcement after curing.
- Remains flexible at low (-40°C) and high (+250°C) temperatures.
- Will not crack, shrink or become brittle.
- One component.
- Conforms to the requirements of VOC content specifications in LEED credit EQc4.1 “Low-emitting products” of SCAQMD rule 1168.

### 3 – APPLICATION AREAS

- Sealing and bonding applications in automotives
- On heating systems and ovens for sealing/ tightness
- Sealing and bonding in stoves
- In heating devices
- Gaskets in pumps and motors
- In sealing chimneys
- Other bonding and sealing applications where parts must perform at high temperatures

### 4 – INSTRUCTIONS

- Ensure that surfaces to be sealed are clean, dry and grease free.
- The application temperature must be between +5 °C and +40 °C.
- After the application, the sealant must be tooled with light pressure within 5 minutes to spread the material against the joint surfaces and to obtain a professional finish.
- Excess uncured sealant may be cleaned with solvent. Cured sealant can be removed barely mechanically.
- 6 mm. joint depth is recommended for joint widths between 6 mm to 12 mm

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### Consumption (approx.)

Joint Width	6mm	9mm	12 mm
Joint Depth	6mm	6mm	6 mm
Efficiency /310 ml	8 meters	6 meters	4 meters

### 5 – STORAGE AND SHELF LIFE

The shelf life is 15 months if stored in unopened-original package at room temperature

### 6 – PACKAGING

Product	Content	Package
MAY 620 RED HIGH TEMPERATURE SILICONE	310ml	30pcs

### 7 – RESTRICTIONS

- May cause corrosion on some sensitive metals (brass, copper, zinc) and on marble and natural stones.
- Not paintable.
- Not appropriate for parts that are in continuous contact with fuels or surfaces that may bleed oils.

### 8 – SAFETY

If inhaled in over a prolonged period or in large volumes, the acetic acid vapours released during curing may cause irritation of the respiratory system. Therefore, the application must take place in a well-ventilated area. Prolonged contact with uncured sealant must be avoided.

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### 9- TECHNICAL PROPERTIES

Basis	: Silicone Polymer	
Curing System	: Acetoxy	
Density	: 1.05± 0.03 g/ml	
Hardness Shore A	: 24-30 (after 28 days)	
Tensile Strength	: ≥ 1,5 N/mm <sup>2</sup> (23°C and 50% R.H)	(ASTM D412)
Skin formation	: 7-13 min. (23°C and 50% R.H)	
Curing Rate	: Min. 3 mm/day (23°C and 50% R.H)	
Elongation At Break	: ≥ 250%	(ASTM D412)
Elastic Recovery	: ≥ 60%	(ISO 7389)
Sagging	: 0 mm	(ISO 7390)
Temperature Resistance	: -40°C to +300°C	
Application Temperature	: +5°C to +40°C	

This technical data sheet replaces all previous editions. All advices, figures and safety directives in this document are based on our careful research and last laboratory reports. Although, the document was compiled with the greatest care, because of a wide variety of different substrates and applications and possible different processing conditions **YOLDAS ENDUSTRI** does not accept responsibility for obtained results. Users need to ensure that the product is suitable for their application before use. Our general sales conditions apply. **YOLDAS ENDUSTRI** reserves all rights to modify the products without prior notice.