

# JIT SILICONES +

## Industrial High Temp

# 100% SILICONE SEALANT

## RED

- Primary Use: Bonding, Sealing, Potting, Encapsulating and Protective Coating Operations at High Temperatures
- Flexible Long Lasting Seal
- Service Temperature -85° F to 500° F
- (600° F Intermittent)
- UV Resistant
- Excellent Weatherability
- Fixed Nozzle Cartridges with Foil Seal
- NSF 51 Certified
- FDA compliant



### Standard package sizes:

ITEM #	SIZE	NOTE
10093	10.1 oz (300ml) Cartridge	12 Cartridges Per Standard Box
10094	5 gallon pail	Plastic Pail
10095	55 gallon drum	Metal Drum

## JIT Silicones +

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### Available from:



## Technical Data

JIT **Industrial High Temp** is a one-part, nonslumping paste that cures to a rubbery solid at room temperature on exposure to water vapor in the air. This acetoxycure RTV (room temperature vulcanizing) silicone is designed to perform at temperatures from -85°F (-65°C) to 500°F (260°C), & intermittently to 600°F (315°C).

### HOW TO USE:

1. Prepare surface for application of sealant. For proper application, surfaces must be clean & dry.
2. Cut nozzle to desired opening and puncture inner seal.
3. Apply with caulking gun holding at 45° angle, pushing sealant ahead of nozzle.
4. Complete tooling immediately before a “skin” forms (typically within 5-10 minutes, but relative humidity will affect this).
5. Material cures & bonds in 24 hours with optimum strength achieved in 72 hours at 25°C (77°F) and 50% relative humidity.
6. When fully cured, wash surface for food applications.
7. After partial usage of container, any sealant remaining in nozzle will cure. Removal of cured plug from nozzle will allow reuse of remaining contents.

### **Note:**

- Cure time is affected by relative humidity, degree of confinement and cross-sectional thickness of the sealant.
- The odor given off during cure is due to the liberation of acetic acid. This odor dissipates as cure progresses and is undetectable upon curing of the material.

### Typical Properties - As Supplied

Test	Unit	Result	Method
Color		Red	visual
Flow/Slump	inches	<=0.20	ASTM C639
Non-Volatile Content	% by weight	>=85	ASTM C792
Extrusion Rate	g/min	250-500	ASTM C603

### Cure Characteristics - Exposed to air, 25°C (77°F) and 50% relative humidity

Skin-over time	minutes	5-10	ASTM C679
Tack-free time	minutes	25	ASTM C679
Cure time	hours	24	CTM

### Typical Properties - As Cured

Test	Unit	Result	Method
Durometer, Shore A	points	25	ASTM D2240
Tensile at Break	psi	>=275	ASTM D412
Elongation at Break	%	>=475	ASTM D412
Peel Strength Carb/SS	ppi	>=14	ASTM D794
Peel Strength Alum/SS	ppi	>=14	ASTM D794

**This product is NSF 51 certified and FDA Compliant in accordance with 21CFR177.2600**



### Usable Life & Storage

When stored at or below 32°C (89.6°F), this product has a minimum usable life of 24 months from date of production.

Handling Precautions - See SDS (Safety Data Sheet)

### Limited Warranty - Please Read Carefully

The information contained herein is offered in good faith and is believed to be accurate. However, Because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that JIT Silicones + (JIT) products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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