

JIT SILICONES +

Extreme 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
- Removable nozzle on cartridges
- NSF 51 Certified
- UL Listed
- FDA Compliant



JIT Silicones +

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Standard package sizes:

ITEM #	SIZE	NOTE
10021	3 oz (90ml) tube	12 Blister Pack Tubes per Standard Box
10023	10.1 oz (300ml) Cartridge	12 Cartridges Per Standard Box
10024	5 gallon pail	Plastic Pail
10025	55 gallon drum	Metal Drum

Available from:



Extreme High Temp

rev. 11-2015

Technical Data

JIT *Extreme High Temp* is a one-part, non-slumping paste that cures to a rubbery solid at room temperature on exposure to water vapor in the air. This acetoxy cure 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 top tip of cartridge above threads, attach nozzle and cut to desired opening size.
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	>=88	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	>=300	ASTM D412
Elongation at Break	%	>=500	ASTM D412
Peel Strength Carb/SS	ppi	>=14	ASTM D794
Peel Strength Alum/SS	ppi	>=14	ASTM D794

This material is UL Listed, NSF 51 Certified and is 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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