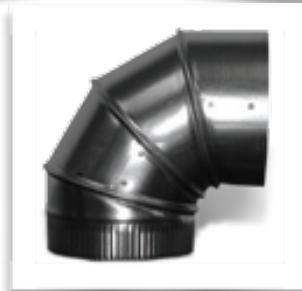
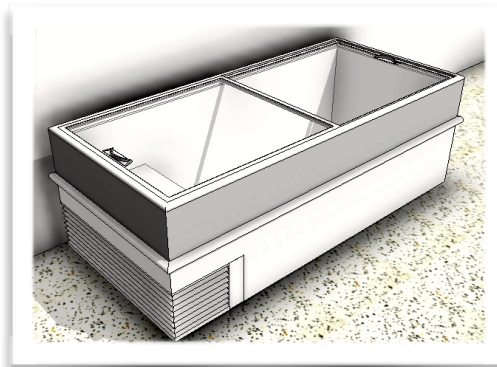


# JIT SILICONES +

## HVAC/R Sealant

### 100% SILICONE SEALANT

- Primary Use:  
Sealing and Bonding uses in Heating, Ventilation, Air Conditioning and Refrigeration equipment
- Flexible Long Lasting Seal
- Service Temperature -75° F to 350°F (400° F Intermittent)
- UV Resistant
- Excellent Weatherability
- Mildew Resistant
- Acetoxy Cure
- Removable Nozzle on Cartridges
- NSF 51 certified
- FDA Compliant
- Surfaces to bond include: Glass, plastic, metal, painted surfaces, fiberglass and ceramic substrates



#### Standard package Sizes:

ITEM #	SIZE	NOTE
12003 (white) 12008 (clear) 12013 (black) 12018 (alum.)	10.1 oz (300ml) Cartridge	12 Cartridges Per Standard Box
12004 (white) 12009 (clear) 12014 (black) 12019 (alum.)	5 gallon pail	Plastic Pail
12005 (white) 12010 (clear) 12015 (black) 12020 (alum.)	55 gallon drum	Metal Drum

Available from:



## JIT Silicones +

P.O. Box 24  
Mars, PA 16046  
Phone: (855) JIT-PLUS (855) 548-7587

[www.jitsiliconesplus.com](http://www.jitsiliconesplus.com)

## Technical Data

JIT *HVAC/R Sealant* is a one-part, nonslumping 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 -75°F (-60°C) to 350°F (177°C), & intermittently to 400°F (204°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. Apply with caulking gun holding at 45° angle, pushing sealant ahead of nozzle.
3. Complete tooling immediately before a “skin” forms (typically within 5-10 minutes, but relative humidity will affect this).
4. Material cures & bonds in 24 hours with optimum strength achieved in 72 hours at 25°C (77°F) and 50% relative humidity.
5. When fully cured, wash surface for food applications.
6. 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		White, Clear, Black, or Aluminum	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	15-20	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	285	ASTM D412
Elongation at Break	%	500	ASTM D412
Peel Strength Carb/SS	ppi	26	ASTM D794
Peel Strength Alum/SS	ppi	26	ASTM D794
Movement Capability	%	+/-25	ASTM C1472

### **This product is 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)

**NOTE:** This material is NOT classified as a GHS hazardous substance or mixture



#### **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.

JIT's sole warranty is that the product will meet the sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. JIT SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. JIT DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.