

# JIT Silicones +

## Neutral Cure

# 100% SILICONE SEALANT

- Primary Use:  
Industrial Sealing  
and Bonding
- Flexible Long Lasting Seal
- Service Temperature -85°  
F to 350°F
- (400° F Intermittent)
- UV Resistant
- Excellent Weatherability
- **Low Odor Cure**
- Won't oxidize sensitive  
metals (brass, copper)
- Removable Nozzle on  
Cartridges



### Standard

ITEM #	SIZE	NOTE
10026 (white) 10031 (clear)	3 oz (90ml) tube	12 Blister Pack Tubes per Standard Box
10028 (white) 10033 (clear) 10036 (black) 10058 (aluminum)	10.1 oz (300ml) Cartridge	12 Cartridges Per Standard Box
10029 (white) 10034 (clear) 10037 (black) 10059 (aluminum)	5 gallon pail	Plastic Pail
10030 (white) 10035 (clear) 10038 (black) 10060 (aluminum)	55 gallon drum	Metal Drum

## JIT Silicones +

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

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

Available from:

# Neutral Cure

rev. 03-2026

## Technical Data

JIT **Neutral Cure** 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 Oxime cure RTV (room temperature vulcanizing) silicone is designed to perform at temperatures from -85°F (-65°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.
3. Apply with caulking gun holding at 45° angle, pushing sealant ahead of nozzle.
4. Complete tooling immediately before a “skin” forms (typically within 3-6 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. 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.

### Typical Properties - As Supplied

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

Test	Unit	Result	Method
Color		Clear, White, Black, 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
Skin-over time	minutes	3-6	ASTM C679
Tack-free time	minutes	14	ASTM C679
Cure time	hours	24	CTM

### Typical Properties - As Cured

Test	Unit	Result	Method
Durometer, Shore A	points	30+/-5	ASTM D2240
Tensile at Break	psi	>=175	ASTM D412
Elongation at Break	%	>=300	ASTM D412
Peel Strength Carb/SS	ppi	>=19	ASTM D794
Peel Strength Alum/SS	ppi	>=19	ASTM D794

### 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)



CA Residents (PROP 65): WARNING: This product can expose you to chemicals including methanol, which is known to the State of California to cause birth defects or other reproductive harm.

For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### 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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