

# Anaerobic & RTV Gasketing & Sealing



## Your Application

- Revolutionized flange sealing in the automotive industry, the assembly of heavy equipment, and the manufacture of various types of fluid power equipment
- Remain a liquid when exposed to air, but cure when confined between mating flanges
- Best suited for small gap applications and rigid metal-to-metal assemblies

## Solution

DOES THE EXISTING GASKET NEED TO BE USED AS A SHIM?

No

Are you sealing a rigid or a flexible flange?

Rigid

Flexible

**510™  
Flange Sealant**

**518™  
Flange Sealant**

**SI 587™ Blue\*  
High Performance  
RTV Silicone  
Gasket Maker**

**SI 598™ Black\***

Gasket Type	Formed-in-Place	Formed-in-Place	Formed-in-Place	Formed-in-Place
Gap Fill	0.010" (0.25 mm)	0.010" (0.25 mm)	0.250" (6.35 mm)	0.250" (6.35 mm)
Gap Fill with Primer	0.020" (0.50 mm)	0.050" (1.27 mm)	N/A	N/A
Cure Method	Anaerobic	Anaerobic	Moisture (RTV)	Moisture (RTV)
Cure Time	4 to 24 hrs.	4 to 24 hrs.	50 min.	20 min.
Temperature Resistance (Continuous/Intermittent)	400°F (204°C)/ N/A	300°F (149°C)/ N/A	400°F (204°C)/ 500°F (260°C)	400°F (204°C)/ 500°F (260°C)
Oil Resistance	Excellent	Excellent	Excellent	Excellent
Water/Glycol Resistance	Excellent	Excellent	Excellent	Excellent
Recommended Primer	SF 7088™, SF 7649™, SF 7471™	SF 7088™, SF 7649™, SF 7471™	Not Required	Not Required

## Product Description

### LOCTITE® 510™ Flange Sealant

#### High Temperature

Product withstands temperatures to 400°F (204°C) and has excellent solvent and chemical resistance. Fills gaps up to 0.010 in. (0.254 mm) and maintains clamping loads for strong, leakproof assemblies. Makes or dresses gaskets in rigid assemblies. Eliminates gasket compression set.

P/N	Package Size
51031	50 ml tube
51041	250 ml tube
51074	300 ml cartridge

### LOCTITE® 518™ Flange Sealant

Recommended for use on rigid iron, steel and aluminum flanges. Spray LOCTITE® SF 7649™ Primer on only one surface. **NSF/ANSI 61 Certified. CFIA Listed.**

P/N	Package Size
2102974	25 ml syringe
2102986	300 ml tube
2096062	6 ml tube
2096064	50 ml tube
2096061	300 ml cartridge

### LOCTITE® SI 587™ Blue High Performance RTV Silicone Gasket Maker

Recommended for sealing all types of flanges, including stamped sheet metal. Designed for superior bonding properties to oil-contaminated metals. **ABS Approved. NSF/ANSI P1 Certified. CFIA Listed.**

P/N	Package Size
58730	70 ml tube
58775	300 ml cartridge
58791	50 lb. pail†
40462	190 ml can

### LOCTITE® SI 598™ Black High Performance RTV Silicone Gasket Maker

High-performance silicone gasket maker resists aging, weathering and thermal cycling without hardening, shrinking or cracking. **CFIA Listed.**

P/N	Package Size
34018	0.5 oz. tube**
59830	70 ml tube
59875	300 ml cartridge
59891	49 lb. pail
40463	190 ml can

\* See page 75 for additional properties.

\*\* Uncarded tubes, sold as full cases of 100 pieces.

† Made-to-order item.