



# Gasketing

## Sealing and Flanges

- No shimming effect – controlled tolerances, no need for re-torquing
- Fill all voids – reduce the need for a fine surface finish of flanges
- Parts can be disassembled easily even after extended service
- Resists high pressure when fully cured



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

#### Helpful Hints:

- If there are traces of old gasket left on the parts to be sealed, clean with Loctite® Chisel® Gasket Remover
- All parts must be clean and dry before sealing – use Loctite® ODC-Free Cleaner & Degreaser
- Anaerobic products cure between metal surfaces with the absence of air

#### Solution

	Yes		No			
	Coat existing gasket	Positioning cut gaskets	Are you sealing a rigid or a stamped flange?			
			Rigid		Stamped	
			Loctite® 518™ Gasket Eliminator® Flange Sealant	Loctite® QuickStix™ 534™ Hi-Tack Gasket Dressing	Loctite® QuickStix™ 548™ Gasket Eliminator® Flange Sealant	Loctite® 518™ Gasket Eliminator® Flange Sealant
<b>Gasket Type</b>	Formed-in-place	Use with cut gasket	Formed-in-place	Formed-in-place	Formed-in-place	Formed-in-place
<b>Gap Fill</b>	0.010" (0.25 mm)	N.A.	0.010" (0.25 mm)	0.010" (0.25 mm)	0.250" (6.35 mm)	0.250" (6.35 mm)
<b>Gap Fill with Primer</b>	0.050" (1.27 mm)	N.A.	0.020" (0.508 mm)	0.050" (1.27 mm)	N.A.	N.A.
<b>Cure Method</b>	Anaerobic	Anaerobic	Anaerobic	Anaerobic	Moisture (RTV)	Moisture (RTV)
<b>Fixture / Cure Time</b>	N.A.	N.A.	N.A./24 hrs.	N.A./24 hrs.	50 min.	5 min.
<b>Temperature Resistance (Continuous / Intermittent)</b>	300°F (150°C)/N.A.	300°F (150°C)/N.A.	300°F (150°C)/N.A.	300°F (150°C)/N.A.	400°F (204°C) 500°F (260°C)	450°F (232°C) 500°F (260°C)
<b>Instant Seal</b>	Excellent	Excellent	Yes	Excellent	Excellent	Excellent
<b>Oil Resistance</b>	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
<b>Water / Glycol Resistance</b>	Excellent	N.A.	Good	Excellent	Excellent	Excellent
<b>Common Sizes / Part Number</b>	6 ml tube – 51817 50 ml tube – 51831	9 g stick – 39155 19 g stick – 39156 38 g stick – 39157	9 g stick – 39151 18 g stick – 39152 37 g stick – 39153	6 ml tube – 51817 50 ml tube – 51831	70 ml tube – 58730 300 ml cartridge – 58775 190 ml can – 40462	90 ml can – 40478 190 ml can – 40479

#### Additional Loctite® brand Gasketing Products

Name	Color	Part #	Pkg. Size
Loctite® Gasket Sealant 1	Brown	30511	3 oz. tube
Loctite® Gasket Sealant 2	Black	30514	3 oz. tube
Loctite® Aviation Gasket Sealant	Brown	30516	1 pt. can
Loctite® High Performance Silicones (Loctite® 598™ Black, 5920™ Copper, and 5699™ Grey)	Black Copper Grey	59875 82046 18581	300 ml cartridge
Loctite® Superflex® RTV, Silicone Adhesive Sealants (Black, Clear, White, Blue, Red Hi-Temp)	Black Clear White Blue Red	59375 59575 59475 30533 59675	300 ml cartridge
Loctite® Copper Gasket Adhesive	Copper	30535	9 oz. aerosol
Loctite® 574™ Flange Sealant – Fast Cure	Orange	24018	50 ml tube
Loctite® 515™ Gasket Eliminator® Flange Sealant	Purple	51531	50 ml tube
Loctite® Hi-Tack Gasket Sealant	Red	30525	1 pt. can
Loctite® 510™ Gasket Eliminator® Flange Sealant	Pink	51031	50 ml tube



**Loctite® 518™ Gasket Eliminator® Flange Sealant**  
Recommended for coating and re-using gaskets to improve sealing. Spray Loctite® 7649™ Primer N™ on both flange surfaces and both sides of the gasket. NSF/ANSI 61 Certified. CFIA Approved.



**Loctite® QuickStix™ 534™ Hi-Tack Gasket Dressing**  
No mess, semi-solid formula offers added control and ease of use. Patented package is portable and won't leak or spill. Seals and holds the heaviest gaskets in place during assembly. Solvent-free and low odor. Suitable to 300°F (149°C).



**Loctite® QuickStix™ 548™ Gasket Eliminator® Flange Sealant**  
Patented, semi-solid formula is ideal for on-the-spot repairs, or when a conventional gasket is out of stock. Can be applied quickly and neatly on a variety of metal surfaces, including aluminum, to form a flexible, solvent resistant seal. Seals to 300°F (149°C) and fills gaps to 0.010".



**Loctite® 518™ Gasket Eliminator® Flange Sealant**  
Recommended for use on rigid iron, steel, and aluminum flanges. Spray Loctite® 7649™ Primer N™ on only one surface. NSF/ANSI 61 Certified. CFIA Approved.



**Loctite® 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.



**Loctite® Instant Gasket**  
Makes high-performance, leakproof gaskets in one minute. Equipment can be returned to service immediately. Blowout resistant. Outperforms precut gaskets.