



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® Paint Stripper
- All parts must be clean and dry before sealing – use Loctite® ODC-Free Cleaner & Degreaser
- Anaerobic products cure between metal surfaces (typically cast or machined flanges) 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® 5203™ Easy-to-Service Flange Sealant	Loctite® 518™ Gasket Eliminator® Flange Sealant	Loctite® 587™ Blue	Loctite® Instant Gasket
Gasket Type	Formed-in-place	Use with cut gasket	Formed-in-place	Formed-in-place	Formed-in-place	Formed-in-place
Gap Fill	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)
Gap Fill with Primer	0.050" (1.27 mm)	N/A	0.020" (0.508 mm)	0.050" (1.27 mm)	N/A	N/A
Cure Method	Anaerobic	Anaerobic	Anaerobic	Anaerobic	Moisture (RTV)	Moisture (RTV)
Cure Time	N/A	N/A	15 min. to 6 hrs.	24 hrs.	50 min.	5 min.
Temperature Resistance (Continuous/Intermittent)	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) 540°F (282°C)
Instant Seal	Excellent	Excellent	Yes	Excellent	Excellent	Excellent
Oil Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Water/Glycol Resistance	Excellent	N/A	Excellent	Excellent	Excellent	Excellent
Common Sizes/Part Number	6 ml tube – 51817 50 ml tube – 51831	19 g stick – 39156	300 ml cartridge – 1241992	6 ml tube – 51817 50 ml tube – 51831	70 ml tube – 58730 190 ml can – 40462 300 ml cartridge – 58775	90 ml can – 40478 190 ml can – 40479 5 oz. cartridge – 30509

Additional Loctite® Brand Gasketing Products

Name	Color	Part No.	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 High-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® 5203™ Easy-to-Service Flange Sealant

Fully cured product can easily be removed from flange faces, particularly aluminum. Easy removal reduces gouges and damage to flange and enables faster return to service. Provides resistance to low pressures immediately after assembly. Seals close fitting joints between rigid metal faces and flanges.



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. Black in color.