

# **GASKETING** Sealing and Flanges

## WHAT SIZE IS THE GAP?

	Less that 0.25mm (Anaerobic Sealants)			
IS THE FLANGE RIGID OR FLEXIBLE?	Rigid (Metal to Metal)			
WHAT IS THE FLANGE MATERIAL?	Steel	Alloy/Aluminium	All Metals	
MAXIMUM TEMPERATURE	150°C	150°C	200°C	
UNIQUE FEATURES	Use with Shims	Easy Disassembly	High Chemical Resistance	
► HENKEL SOLUTIONS	LOCTITE <sup>®</sup> 515	LOCTITE <sup>®</sup> 518	LOCTITE <sup>®</sup> 510	
Gasket Type	Formed in Place	Formed in Place	Formed in Place	
Flange Type (Elongation)	Rigid	Rigid	Rigid	
Tack Free Time*	-	-	-	
Low Pressure Seal	30 min	20 min	30 min	
Temperature Range	-54°C to +150°C	-54°C to +150°C	-54°C to +200°C	
Oil Resistance	Excellent	Excellent	Excellent	
Water/Glycol Resistance	Good	Good	Excellent	
Sensor Safe	Yes	Yes	Yes	
Neutral Cure	-	-	-	
Recommended Primer	7649/7471	7649/7471	7649	
	6 ml tube - 209756	6 ml tube - 209759		

#### Package Size & IDH

50 ml tube - 473169 300 ml cartridge - 265605

Recommended for

coating and re-using

• AGA certificate 2590 to

gaskets to improve

690kPa (Gas)

sealing.

Approvals

25 ml syringe - 1329465 50 ml tube - 472904



50 ml tube - 1496856

250 ml tube - 1496883

Recommended for use on rigid metal parts e.g. cast iron components and pump housings, etc. operating at high temperatures. Approvals • AGA certificate 2590 to 690kPa (Gas)

\* Varies with substrate. For further information refer to product Technical data Sheet.



Recommended for use

on rigid iron, steel and

aluminium flanges e.g.

aluminium gearbox and

engine castings, etc.



		Up to 6.0mm (Silicone Sealant	ts)	
	Fle	exible (Stamped Metal Assemb	lies)	
		Metal or Non-Metals		
200°C		260°C		315°C
Fast Cure	Highly Flexible	Hot Oil Resistance	Good Electrical Insulator	High Temperature Resistance
LOCTITE <sup>®</sup> 5699 Grey Maxx <sup>®</sup>	LOCTITE <sup>®</sup> 598 Black Maxx <sup>®</sup>	LOCTITE <sup>®</sup> 587 Blue Maxx <sup>®</sup>	LOCTITE® 5920 Copper Maxx®	LOCTITE <sup>®</sup> Superflex Red
Formed in Place	Formed in Place	Formed in Place	Formed in Place	Formed in Place
Flexible (100%)	Flexible (300%)	Flexible (350%)	Flexible (350%)	Flexible (300%)
30 min	25 min	30 min	40 min	30 min
30 min	40 min	30 min	40 min	30 min
-60°C to +200°C	-54°C to +260°C	-60°C to +260°C	-60°C to +316°C	-60°C to +315°C
Good	Excellent	Excellent	Good	Good
Good	Good	Good	Good	Good
Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	No
-	-	-	-	-
95 g tube - 287301 300 ml cartridge - 473152	95 g tube - 640172	95 g tube - 332651 300 ml tube - 333949	85 g tube - 287437	80 ml tube - 135507 300 ml cartridge - 198817



Designed for high torque applications. Remains flexible and withstands high vibration. Outstanding oil and shop fluid resistance. Non-corrosive, low odour.



Replacement for cork and paper cut gaskets on flanges and stamped sheet metal covers. Recommended for use where high vibration or flexing occurs. Can also be used with plastic parts. Oxygen sensor safe.





Recommended for sealing all types of flanges including stamped sheet metal where high flexibility and high oil or water glycol resistance is required. Oxygen sensor safe.



Single component RTV non-sag silicone paste for low volatility applications. Adheres to metal, glass, natural and synthetic fibres, wood, ceramics, and many plastic substrates. Oxygen sensor safe.



Recommended for sealing all of flanges including stamped sheet metal where high temperature resistance is required, e.g. assembly and repair of industrial furnaces, ovens, boilers, exhaust stacks and high temperature ducting.



# GASKETING

Loctite® brand Anaerobic and Silicone gasketing solutions are suitable for small and large gap flange assemblies. Formed-in-place, they can be applied to any shape and offer improved seal reliability compared to traditional pre-cut compression gaskets.

#### **FEATURES & BENEFITS**

#### Anaerobic Gaskets

Loctite<sup>®</sup> brand anaerobic gaskets remain liquid when exposed to air, but cure when confined between mating flanges. Anaerobic gasketing products are best suited for small gap applications and rigid metal-to-metal assemblies.

#### Features and Benefits;

- ✓ No Shimming Effect controlled tolerances, no need for re-torquing.
- ✓ Fills all voids reducing the need for fine surface finish on flanges.
- ✓ Does not shrink when cured.
- Parts can be easily disassembled even after extended service.
- ✓ Resists high pressure when fully cured.

#### Silicone Sealants

Loctite<sup>®</sup> brand silicone gasketing materials include unique products with excellent fluid and high temperature resistance. They are best suited for large gap applications and stamped metal assemblies where flange flexing occurs.

## Features and Benefits;

- ✓ High gap fill and flexibility.
- ✓ High temperature and chemical resistance\*.

#### **DID YOU KNOW?**

#### What is a Formed-In-Place Gasket?

Formed-in-place gaskets are applied as a fluid sealant to one of the flange surfaces before the parts are assembled. When the parts are assembled the sealant spreads between the flanges, filling gaps, voids, scratches and surface irregularities.

After assembly the gasket cures and forms a durable seal.

Formed-in-place gaskets eliminate the inventory expense of stocking countless pre-cut gaskets.

#### How do you remove baked-on gasket material?

Loctite<sup>®</sup> Chisel<sup>®</sup> Paint Stripper easily removes pre-cut gasket cement and formed-in-place gaskets in 10-15 minutes. Simply spray on, then wipe or scrap off residual gasketing material.

(Refer to page 26 for further details).

\*Refer to Technical Data Sheet