

**LOCTITE® MR GS 1™**Known as LOCTITE® Gasket Sealant 1™  
August 2015**PRODUCT DESCRIPTION**

LOCTITE® MR GS 1™ provides the following product characteristics:

<b>Technology</b>	Solvent based
<b>Chemical Type</b>	Resin / Isopropanol / Fillers
<b>Appearance</b>	Red brown viscous paste <sup>LMS</sup>
<b>Components</b>	One part - requires no mixing
<b>Viscosity</b>	Very high
<b>Cure</b>	Solvent evaporation
<b>Application</b>	Sealing
<b>Product Benefits</b>	<ul style="list-style-type: none"><li>• Extends gasket life</li><li>• Prevents leaks</li><li>• Fast drying</li><li>• Hard setting</li></ul>

LOCTITE® MR GS 1™ is a reddish brown, viscous, fast drying paste that changes to a hard, semi flexible seal through solvent evaporation. It seals flanges, fittings, connections and assemblies against leakage.

Typical applications include freeze plugs, industrial sealant for permanent assemblies, threaded connections, manifold gaskets, air ducts, boilers, pipe fittings and plumbing connections

**TYPICAL PROPERTIES OF UNCURED MATERIAL**

Specific Gravity @ 25 °C 1.6

Viscosity, Brookfield - RVT, 25 °C, mPa·s (cP):  
Spindle 7., speed 5 rpm 500,000 to 700,000

Flash Point - See SDS

**TYPICAL CURING PERFORMANCE**

LOCTITE® MR GS 1™, once applied, develops a hard, semi-flexible sealant by solvent evaporation. Dry times will vary with temperature, humidity and gap.

**Chemical/Solvent Resistance**

LOCTITE® MR GS 1™ retains effective properties in contact with water, ethylene glycol, gasoline, motor oil, transmission fluid and sea water.

**GENERAL INFORMATION**

**This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.**

**For safe handling information on this product, consult the Safety Data Sheet (SDS).**

**Directions for use:**

1. Remove all previous material from mating surfaces.
2. For best results, clean and dry all surfaces with a residue-free solvent.
3. Remove cap, puncture tube (using self-piercing cap) or cartridge seal and attach extension nozzle (if provided).
4. When used as a gasket dressing, spread product with a spatula to a uniform film on one side of gasket and then position it on the assembly. Coat the second side of gasket and re-assemble.
5. Assembly is operational after 2 hours, full cure is effective after 24 hours.

**Clean-up**

1. LOCTITE® MR GS 1™ can be removed from metal surfaces with isopropanol. If the sealant has been dried for a long time or at high temperatures, cover the sealant with alcohol and allow to soften overnight.
2. Clean hands with hand cleaners.

**Not for product specifications**

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

**Storage**

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

**Optimal Storage: 8 °C to 21 °C. Storage below 8 °C or greater than 28 °C can adversely affect product properties.** Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

**Conversions**

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$   
 $\text{kV/mm} \times 25.4 = \text{V/mil}$   
 $\text{mm} / 25.4 = \text{inches}$   
 $\mu\text{m} / 25.4 = \text{mil}$   
 $\text{N} \times 0.225 = \text{lb}$   
 $\text{N/mm} \times 5.71 = \text{lb/in}$   
 $\text{N/mm}^2 \times 145 = \text{psi}$   
 $\text{MPa} \times 145 = \text{psi}$   
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$   
 $\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$   
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$   
 $\text{mPa}\cdot\text{s} = \text{cP}$

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## Reference 0.0

**Note:**

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