

**LOCTITE® SF 7088™**Known as LOCTITE® 7088™  
November 2016**PRODUCT DESCRIPTION**

LOCTITE® SF 7088™ provides the following product characteristics:

|                          |                                                      |
|--------------------------|------------------------------------------------------|
| <b>Technology</b>        | Primer for LOCTITE® anaerobic adhesives and sealants |
| <b>Chemical Type</b>     | Dimethacrylate ester                                 |
| <b>Appearance</b>        | Turquoise Paste <sup>LMS</sup>                       |
| <b>Appearance (form)</b> | Stick                                                |
| <b>Cure</b>              | Anaerobic                                            |
| <b>Application</b>       | Cure acceleration of LOCTITE® anaerobic products     |

LOCTITE® SF 7088™ is a reactive monomer based "solvent free" surface primer that is supplied as a wax-like semi-solid, conveniently packaged in a self-feeding stick applicator. LOCTITE® SF 7088™ was designed to promote the cure speed of Loctite® anaerobic products. It is especially recommended for applications with passive metals or inert surfaces and with large bond gaps.

**TYPICAL PROPERTIES OF UNCURED MATERIAL**

|                                          |                           |
|------------------------------------------|---------------------------|
| Specific Gravity @ 25 °C                 | 1.03                      |
| Penetration, ISO 2137, unworked, 1/10 mm | 100 to 200 <sup>LMS</sup> |

Flash Point - See SDS

**TYPICAL PERFORMANCE OF CURED MATERIAL**

Cured for 1 hour @ 22 °C, using LOCTITE® 248™

Breakaway Torque, ISO 10964:

|                                              |                 |                              |
|----------------------------------------------|-----------------|------------------------------|
| 3/8 x 16 steel nuts and bolts<br>(degreased) | N·m<br>(lb.in.) | ≥8.0 <sup>LMS</sup><br>(≥70) |
|----------------------------------------------|-----------------|------------------------------|

**GENERAL INFORMATION**

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

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

**Under no circumstances should activator and adhesive be mixed directly as liquids. Use only in a well ventilated area.**

Where aqueous washing systems are used to clean the surfaces before bonding, it is important to check for

compatibility of the washing solution with the adhesive. In some cases these aqueous washes can affect the cure and performance of the adhesive.

**Directions for use:**

1. For best results, clean all surfaces (external and internal) with a LOCTITE® cleaning solvent and allow to dry.
2. Advance only enough product to use at the time of application. Do not retract excess product.
3. Remove any skin that may have formed on the top of the stick.
4. Apply sufficient product to fill the threads on one side of the bolt where the nut will be engaged.
5. Recap product after use.
6. Apply LOCTITE® anaerobic product to the opposite side of the bolt.
7. Assemble and tighten as required. Threading the nut will mix anaerobic and primer in the threads.

**Loctite Material Specification<sup>LMS</sup>**

LMS dated February 28, 2008. Test reports for each batch are available for the indicated properties. LMS test reports include selected QC test parameters considered appropriate to specifications for customer use. Additionally, comprehensive controls are in place to assure product quality and consistency. Special customer specification requirements may be coordinated through Henkel Quality.

**Storage**

Store product in the unopened container in a dry location. Material removed from containers may be contaminated during use. Do not return liquid to original container. 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.** Henkel cannot assume responsibility for product which has been contaminated or stored under conditions other than those recommended. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

**Conversions**

(°C x 1.8) + 32 = °F  
kV/mm x 25.4 = V/mil  
mm / 25.4 = inches  
µm / 25.4 = mil  
N x 0.225 = lb  
N/mm x 5.71 = lb/in  
N/mm² x 145 = psi  
MPa x 145 = psi

$\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$   
 $\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$   
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$   
 $\text{mPa}\cdot\text{s} = \text{cP}$

**Note:**

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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**Reference 0.3**