



LOCTITE[®] 7800[™]

June 2005

PRODUCT DESCRIPTION

LOCTITE[®] 7800[™] provides the following product characteristics:

Technology	Solvent-Based
Chemical Type	Zinc in resin
Appearance	Grey liquid ^{LMS}
Propellant	Carbon dioxide
Cure	Dries
Application	Coating

LOCTITE[®] 7800[™] provides a corrosion protective coating at room temperature on ferrous metals. Typical applications include touching up metal parts after welding and to provide long-term protection of metal assemblies. It is also used to restore protection to repaired galvanized parts (e.g. crash barriers, tubes, flanges, tanks, panels, etc.). This product is typically used in applications with an operating range of -50 °C to +550 °C.

TYPICAL PROPERTIES

Density @ 20 °C, g/cm ³	0.795 to 0.815 ^{LMS}
Viscosity @ 20°C, cSt	9 to 11 ^{LMS}
Flash Point - See MSDS	

TYPICAL PERFORMANCE

Tack Free Time

Tack Free Time is the time required to achieve a tack free surface.

Tack Free Time, ASTM C679, seconds	20 to 60
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TYPICAL ENVIRONMENTAL RESISTANCE

Salt Spray Test (5%, 35 °C), ISO 9227:

0 to 72 hrs	Ri 0
72 to 120 hrs.	Ri 1
120 to 168 hrs.	Ri 2
168 to 216 hrs.	Ri 3
216 to 264 hrs.	Ri 4
After 264 hrs.	Ri 5

GENERAL INFORMATION

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

Directions for use

1. Shake can thoroughly before use.
2. Spray on to clean parts, where possible, from a distance of approximately 20 to 30 cm to give a uniform film.
3. Handling strength is achieved within 1 hour, functional strength is achieved within 24 hours.

Loctite Material Specification^{LMS}

LMS dated October 14, 2004. 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. 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

(°C x 1.8) + 32 = °F
kV/mm x 25.4 = V/mil
mm / 25.4 = inches
N x 0.225 = lb
N/mm x 5.71 = lb/in
N/mm ² x 145 = psi
MPa x 145 = psi
N·m x 8.851 = lb·in
N·m x 0.738 = lb·ft
N·mm x 0.142 = oz·in
mPa·s = cP

Note

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Reference 1.0