



# LOCTITE® 7414™

March 2009

## PRODUCT DESCRIPTION

LOCTITE® 7414™ provides the following product characteristics:

|                      |                         |
|----------------------|-------------------------|
| <b>Technology</b>    | Solvent based           |
| <b>Chemical Type</b> | Solvent                 |
| <b>Appearance</b>    | Blue high viscous paste |
| <b>Odor</b>          | Xylene                  |
| <b>Cure</b>          | Not applicable          |
| <b>Application</b>   | Tamper Proofing         |

LOCTITE® 7414™ is a fast drying paste to be used in production to visually detect any movement in the adjustment of parts. LOCTITE® 7414™ has been developed for use on compression fittings, studs, nuts, parts and assemblies after they have been set to proper tension or position. Service personnel or inspectors can quickly spot any changes or tampering with equipment. It has excellent adhesion to metals, including aluminum, magnesium, titanium, stainless steel and copper, and is non-corrosive to these metals. This product should be typically applied in temperatures from 15 to 25 °C, higher temperatures will reduce the drying time. Operating temperatures range from -35 to +145 °C.

## TYPICAL PROPERTIES

|  |                   |
|--|-------------------|
| Specific Gravity @ 25 °C                         | 1.4               |
| Viscosity, Brookfield - RVDV, 20 °C, mPa·s (cP): |                   |
| Spindle 7, speed 12 rpm                          | 90,000 to 120,000 |
| Flash Point - See MSDS                           |                   |

## TYPICAL PERFORMANCE

|                           |           |
|---------------------------|-----------|
| Dry Surface Time, seconds | 60 to 120 |
|---------------------------|-----------|

## GENERAL INFORMATION

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

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

## Directions for use:

1. Squeeze the tube to extrude the paste through the small hole to form a bead (narrow stripe) across the parts.
2. The surface dries in about 1 minute and becomes brittle as it dries completely.
3. LOCTITE® 7414™ dries to form skin very quickly and should be sealed adequately after every use.

## 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

The product is classified as flammable and must be stored in an appropriate manner in compliance with relevant regulations. Do not store near oxidizing agents or combustible materials. Store product in the unopened container in a dry location. Storage information may also be indicated on the product container labelling.

**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 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            |
| µm / 25.4 = mil               |
| N x 0.225 = lb                |
| N/mm x 5.71 = lb/in           |
| N/mm <sup>2</sup> 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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