

LOCTITE® HHD 5401RD

March 2024

Product description

LOCTITE® HHD 5401RD provides the following product characteristics:

Technology	Acrylate
Appearance	Red
Solids content	100%
Product benefits	- Non-conductive - One component - Room temperature application
Cure	Ultraviolet (UV) light
Application	Structural bonding; Component assembly

LOCTITE® HHD 5401RD high performance UV sealing material is formulated for use as a structural adhesive dam. It is designed for application on engineered plastic and ink coating/PET.

Compared to conventional UV adhesives, LOCTITE® HHD 5401RD can be applied at room temperature.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Viscosity, Brookfield CP 51, 25°C, mPa.s (cP)	
Speed 10 rpm	15,000
Thixotropic index	3.0
Shelf life @ 8 to 28°C, days	365

TYPICAL CURING PERFORMANCE

Recommended cure condition

UV Light

UV Wavelength, nm	365
Light intensity, mW	1,000
Exposure time, seconds	3

Alternate cure schedule

UV Light

UV Wavelength, nm	405
Light intensity, mW	1,000
Exposure time, seconds	3

TYPICAL PROPERTIES OF CURED MATERIAL

Physical properties

Hardness, Shore 0	55
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GENERAL INFORMATION

Please consult the Safety Data Sheet (SDS) for safe handling information of this product.

Thawing:

1. Allow container to reach room temperature before use.
2. After removing from the freezer, set the syringes to stand vertically while thawing.
3. Thaw times depend on the syringe size.
4. Consult handling guide for more information.
5. DO NOT open the container before contents reach 25°C temperature. Any moisture that collects on the thawed container should be removed prior to opening the container.
6. DO NOT re-freeze. Once thawed to 25°C, the adhesive should not be re-frozen.

Directions for use:

1. This product is light sensitive; exposure to daylight, UV light and/or artificial lighting should be kept to a minimum during storage and handling.
2. Thawed material should immediately be placed on dispense equipment for use.
3. If the adhesive is transferred to a final dispensing reservoir, care must be exercised to avoid entrapment of contaminants and/or air into the adhesive.
4. Adhesive must be completely used within the product's recommended work life.
5. Alternate dispense amounts may be used depending on the application requirements.

Storage:

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

Optimal Storage: 8 to 28°C. Storage below 8°C or above 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 Henkel representative.

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 the specifications of this product.

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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