

**ABLESTIK 2332 17**

December 2016

PRODUCT DESCRIPTION

LOCTITE ABLESTIK 2332-17 provides the following product characteristics:

Technology	Epoxy
Appearance	Black
Cure	Heat cure
Product Benefits	<ul style="list-style-type: none">• Bonds to a wide variety of substrates• One component• Solvent-free formulation
Application	Assembly
Operating Temperature	150 °C
Surfaces	Copper, Aluminum, Nickel, FRP, Rigid plastics and Oily steel

LOCTITE ABLESTIK 2332-17 is a solventless epoxy adhesive that develops high bond strength when cured at temperatures as low as 100 to 130°C. It combines flexibility at low temperatures plus high peel and tensile shear strength over a broad temperature range.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Viscosity @ 25 °C, mPa·s (cP)	75,000
Density, g/cm ³	1.2
Shelf Life @ 0 to 8°C, days	183
Flash Point - See SDS	

TYPICAL CURING PERFORMANCE Cure Schedule

1 hour @ 120°C

Alternative Cure Schedule

90 minutes @ 100°C
30 minutes @ 120°C
20 minutes @ 150°C

LOCTITE ABLESTIK 2332-17 may also be cured in paint ovens at temperatures above 130°C.

The above cure profiles are guideline recommendations. Cure conditions (time and temperature) may vary based on customers' experience and their application requirements, as well as customer curing equipment, oven loading and actual oven temperatures.

TYPICAL PROPERTIES OF CURED MATERIAL**Physical Properties :**

Hardness, Shore D:	
@ 25°C , minimum	75
@ 120°C , minimum	30
Linear Shrinkage, %	2.3
Glass Transition Temperature, °C	87
Coefficient of Linear Thermal Expansion, 10 ⁻⁶ K ⁻¹	173

Electrical Properties:

Volume Resistivity, ohm-cm @ 25°C	6×10 ¹⁴
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TYPICAL PERFORMANCE OF CURED MATERIAL**Tensile Lap Shear Strength:**

Al to Al :	
@ 25°C	N/mm ² 20 (psi) (2,900)
@ 60°C	N/mm ² 16 (psi) (2,320)
@ 90°C	N/mm ² 15 (psi) (2,175)
@ 120°C	N/mm ² 12 (psi) (1,740)
@ 150°C	N/mm ² 6.2 (psi) (900)

GENERAL INFORMATION

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

DIRECTIONS FOR USE

1. Carefully clean and dry all surfaces to be bonded
2. Some separation of components is common during shipping and storage. For this reason, it is recommended that the contents of the shipping container be thoroughly mixed prior to 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:

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

Optimal Storage : 0 to 8 °C

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

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$

$\text{kV/mm} \times 25.4 = \text{V/mil}$

$\text{mm} / 25.4 = \text{inches}$

$\text{N} \times 0.225 = \text{lb}$

$\text{N/mm} \times 5.71 = \text{lb/in}$

$\text{psi} \times 145 = \text{N/mm}^2$

$\text{MPa} = \text{N/mm}^2$

$\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$

$\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$

$\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$

$\text{mPa}\cdot\text{s} = \text{cP}$

Disclaimer**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 1

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