

LOCTITE ECCOBOND E 3200

October 2014

PRODUCT DESCRIPTION

LOCTITE ECCOBOND E 3200 provides the following product characteristics:

Technology	Epoxy
Appearance	Light tan
Cure	Heat cure
Product Benefits	• Fast and low temperature cure • Sag resistant paste • Resilient • Flexible epoxy • Excellent chemical and humidity resistance • Non-conductive
Application	Assembly
Surfaces	Polyimide, Polyphenylene oxide, Polybutylene terephthalate, Polysulfone, Silicon, Copper and Gold

LOCTITE ECCOBOND E 3200 was designed as a chemically resistant, fast and low temperature heat curing adhesive for bonding dissimilar engineering substrates.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Viscosity Brookfield, mPa (cP) 10 rpm,	150,000
Sag Resistance, inches	0.5
Specific Gravity	1.15
Shelf Life @ -18°C, days	90
Flash Point - See SDS	

TYPICAL CURING PERFORMANCE

Cure Schedule

20 minutes @ 100°C or
10 minutes @ 110°C or
5 minutes @ 120°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	78
Temperature Range of Use, °C	-25 to 100

GENERAL INFORMATION

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

THAWING:

1. Allow container to reach room temperature before use.
2. After removing from the freezer, set the syringes to stand vertically while thawing.

DIRECTIONS FOR USE

1. Complete cleaning of the substrates should be performed to remove contamination such as oxide layers, dust, moisture, salt and oils which can cause poor adhesion or corrosion in a bonded part
2. Apply adhesive to all surfaces to be bonded and join together
3. In most applications only contact pressure is required

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 : -18 °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

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{kV/mm} \times 25.4 = \text{V/mil}$
 $\text{mm} / 25.4 = \text{inches}$
 $\text{N} \times 0.225 = \text{lb/F}$
 $\text{N/mm} \times 5.71 = \text{lb/in}$
 $\text{psi} \times 145 = \text{N/mm}^2$
 $\text{MPa} = \text{N/mm}^2$
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$

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Reference 0.4