

# LOCTITE CC 40A E&C

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## PRODUCT DESCRIPTION

LOCTITE CC 40A E&C provides the following product characteristics:

<b>Technology</b>	Elastomer
<b>Appearance</b>	Silver liquid
<b>Product Benefits</b>	<ul style="list-style-type: none"> <li>One component</li> <li>Electrically conductive</li> <li>Elastomeric</li> </ul>
<b>Operating Temperature</b>	-55 to +95°C
<b>Cure</b>	Hot air drying
<b>Application</b>	Conductive coating
<b>Typical Assembly Applications</b>	RFI shielding, radar reflection, formation of ground planes and heat sinks

LOCTITE CC 40A E&C silver-filled elastomeric surface coating is designed for use in a variety of electrical and electronic applications. A film LOCTITE CC 40A E&C will stretch over 100%, making this material particularly useful when the substrate to which it is applied is subjected to flexing or stretching.

## TYPICAL PROPERTIES OF UNCURED MATERIAL

Density, g/cm <sup>3</sup>	2.1
Coverage, cm <sup>2</sup> /gm/mil	170
Shelf Life @ -20°C (from date of manufacture), days	365
Flash Point	5

## TYPICAL DRYING PERFORMANCE

### Recommended Drying Conditions

4 hours @ 25°C

Allow the wet film to air dry or force dry for 30 minutes @ 66 to 95°C. If additional coats are required, allow 30 minutes drying time between coats.

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

### Electrical Properties

Sheet Resistivity @ 25°C, ohms/sq/mil	0.05
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## GENERAL INFORMATION

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

## DIRECTIONS FOR USE

- 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 coated part.

- Some filler settling 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.
- LOCTITE CC 40A E&C can be applied by brushing, spraying, dipping, screen printing or roll coating. A thin coat on non-porous surfaces is usually adequate.
- Air dry is customary but oven cure is fast and results in slightly lower resistivity.
- As the film of coating is stretched, resistance increases.
- Adjustment to proper consistency is achieved by the addition of toluene or xylene.

## 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 : 25 °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

(°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<sup>2</sup> x 145 = psi  
 MPa = N/mm<sup>2</sup>  
 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

## 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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