

LOCTITE® 3863 Circuit+™

August 2025

PRODUCT DESCRIPTION

LOCTITE® 3863 Circuit+™ provides the following product characteristics:

Technology	Solvent based
Appearance	Silver liquid
Cure	Air dry
Application	Defogger repair

LOCTITE® 3863 Circuit+™ is a complete, fast and easy to use repair kit for rear windscreen defoggers. It has high conductivity due to its high silver content.

Typical properties of uncured material

Specific gravity @ 25°C 0.965

Directions for use:

1. Find the malfunctioning section of heating circuit (e.g. with a multimeter to test for electrical continuity).
2. Disconnect the heating circuit from the source of electricity.
3. Clean area to be repaired with Loctite® 7063™.
4. Remove protective film from the mask/stencil provided. After use, the protective film can be put back on the mask/stencil.
5. Put the stencil on the area to be repaired. The hole in the stencil has to be in line with the heating wire. Press stencil onto screen.
6. Shake bottle before use.
7. Put the stencil on the area to be repaired. The hole in the stencil has to be in line with the heating wire. Press stencil onto screen.
8. Apply the liquid in the stencil opening with the brush provided. The complete area to be repaired needs to be covered. Leave to dry for 5 minutes.
9. Repeat after 5 minutes. Apply a minimum of 3 layers.
10. Firmly close bottle after use and clean brush.
11. The stencil should not be removed until 30 minutes after last application. Remove carefully.
12. The heating circuit can be connected to the power source after 24 hours.

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

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

Storage

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

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 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.

Product specification

The technical data contained herein are intended as reference only and are not considered specifications for the product. Product specifications are located on the Certificate of Analysis or please contact Henkel representative.

Approval and certificate

Please contact Henkel representative for related approval or certificate of this product.

Data ranges

The data contained herein may be reported as a typical value. Values are based on actual test data and are verified on a periodic basis.

Temperature/Humidity Ranges: 23°C / 50% RH = 23±2°C / 50±5% RH

Conversions

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

Disclaimer

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Reference 1