



# LOCTITE® RB EV 9745

May 2025

**Product description**

LOCTITE® RB EV 9745 provides the following product characteristics:

|                             |   |
|-----------------------------|---|
| Technology                  | 1C butyl-rubber sealant   |
| Chemistry type              | Butyl Rubber  |
| Appearance                  | Black   |
| Components                  | Single component  |
| Cure                        | Solvent evaporation   |
| Application                 | EV battery housing gasketing  |
| Viscosity                   | Thixotropic paste   |
| In service temperature      | -30 to 80°C   |
| Short exposure (up to 1 hr) | 100°C   |
| Specific benefits           | <ul style="list-style-type: none"><li>• Seals against a wide variety of materials</li><li>• Easily dispensed thick paste</li><li>• 12-month shelf life in unopened original package</li></ul> |

LOCTITE® RB EV 9745 is a butyl rubber based sealant paste with a low solvent content, which is easily applied from cartridges to the battery housing tray or upper cover lid. When the solvents have evaporated, the remaining material is permanently plastic, resistant to ageing and weathering, with good sealing properties. Any excess material can be dabbed off from hard surfaces easily, as the product's cohesion (its own inherent strength) is greater than its adhesion (the strength of its bond with the substrate).

**Application areas**

LOCTITE® RB EV 9745 is used for sealing the battery housing tray or upper cover lid. LOCTITE® RB EV 9745 seals clean and dry overlaps on metals (e.g. steel, aluminum), plastics (e.g. polypropylene) and various types of composites (e.g. sheet molding composites based on carbon fibers and glass fibers).

**Typical properties**

**Typical test results**

|                            |              |
|----------------------------|--------------|
| Density, g/cm <sup>3</sup> | ~1.33        |
| Consistency                | Paste        |
| Odor                       | of petroleum |
| Solids, %                  | ~85          |
| Sag resistance             | Good         |

**Preliminary statement**

Prior to use it is necessary to read the **Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed.

**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 Material Safety Data Sheet.**

**Application**

LOCTITE® RB EV 9745 is applied from nozzle cartridges using standard commercial compressed air or hand guns. The surfaces to be sealed must be dry and free from adhesion inhibiting components or residues of dirt. LOCTITE® RB EV 9745 is applied in such a way that all cavities are completely filled, while not injecting too much sealant into the joints. It is unavoidable that some excess material will be squeezed out of the joints in the process. This bulk of excess material should be removed with a wooden spatula.

**Important**

Considerable stringing will occur as long as the material still contains solvents. Therefore you should wait for a sufficient period or remove major excess quantities with a spatula as described above.

Cleaning with solvents is not recommended, as this will lead to smearing of the surface.

**Storage**

For safe storage, store between 5 °C (41°F) and 25 °C (77°F). Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Store product in unopened container in a dry location. Storage information may be indicated on the product container labeling. 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.

**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

(°C x 1.8) + 32 = °F  
kV/mm x 25.4 = V/mil  
mm / 25.4 = inches  
µm / 25.4 = mil  
N x 0.225 = lb  
N/mm x 5.71 = lb/in  
N/mm² x 145 = psi  
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

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