



# Technical Data Sheet

## Auto002 Epoxy Repair Putty Aluminium

### PRODUCT DESCRIPTION

Bondloc Aluminium Epoxy is an aluminium filled epoxy putty and is designed to be used on softer metals.

### APPLICATIONS

For general maintenance repairs, filling, rebuilding and bonding softer metal surfaces. Can be sanded, drilled, machined and painted once cured. It resists gas, oil, diesel, petrol, water and coolant (anti freeze). Can resist temperatures up to 100°C.

### USEFUL HINTS/NOTES

Mixing: Twist or cut off required amount. To mix, knead with fingers to a uniform colour. If mixing is difficult, warm B2002 to room temperature or slightly above. Apply to the surface to be repaired (within 2 minutes of mixing). The mixed epoxy does not exhibit high bond strength at this point, but appears to be merely lying on the surface. Force into any cracks or holes to be filled and strike off excess material, preferably with a tool wetted with clean water. Work the material forcefully into the surface and apply pressure until adhesion begins to take effect.

For a smooth appearance of the cured compound, hand rub with water or a damp cloth prior to hardening. Remove excess material before hardening begins. After 15-20 minutes the epoxy will harden like metal and start to form a tenacious bond. After just 45 minutes B2002 is completely cured and can be drilled, sawed, carved, sanded, stained or painted.

### INSTRUCTIONS FOR USE

In order to achieve optimum adhesion, surface should be cleaned free of grease or dirt. Scuffing or sanding the surface prior to cleaning helps to ensure a good bond.

### PROPERTIES

|                     |                                        |
|---------------------|----------------------------------------|
| Opening Time        | 5 mins                                 |
| Max Temp Resistance | 121°C Continuous<br>149°C Intermittent |

### TECHNICAL FEATURES

|                             |                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------|
| Resin                       | Light Silver                                                                                         |
| Epoxy Resistance            | Hydrocarbons, ketones, esters, halo-carbons, alcohols, aqueous salt solutions, diute acids and bases |
| Electrical Resistance       | 30,000 mega Ohms                                                                                     |
| Dielectric Strength (steel) | 300 Volts/mil                                                                                        |
| Shrinkage                   | <1%                                                                                                  |
| Non Volatile Content        | 100%                                                                                                 |
| Shelf Life                  | 24 months @ 24°C                                                                                     |

### CURED PERFORMANCE

|                            |                                  |
|----------------------------|----------------------------------|
| Initial Cure               | 1 hour                           |
| Full Cure Time             | 24 hours                         |
| Lap Shear Strength (Steel) | 4.8 N/mm <sup>2</sup>            |
| Shore D Hardness           | 70/80                            |
| Compressive Strength       | 84N/mm <sup>2</sup> - 12,000 psi |

### STORAGE

Store in cool conditions, preferably away from direct sunlight or excessive heat. Shelf life at least 24 months @ 24°C.

### HEALTH & SAFETY

This technical information sheet does not constitute a Safety Data Sheet (SDS). Before using this product ensure you have read and fully understood this products SDS

### PACKAGING FORMAT

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**PRECAUTIONS:** This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Safety Data Sheets (SDS) for this and all other products being used are understood by all persons who will work with the product. Warranty: All products purchased from or supplied by Bondloc are subject to terms and conditions set out in the contract. Bondloc warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Bondloc is consider accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Bondloc makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.

