

S1500 – Technical Data Sheet



Bondrite Adhesives Limited
Unit 3H
Sileby Road Industrial Estate
Barrow-Upon-Soar
Leicestershire LE12 8LP
Tel: 01509 815550

Description

S1500 is a two-component structural methacrylate adhesive, designed for the bonding of high-strength metal and composite applications.

S1500 has been formulated from innovative technology, including our revolutionary adhesion system. This unique system enables the **S1500** to achieve the ultimate balance of mechanical strength and impact resistance whilst still remaining both simple and quick to use.

S1500 is very versatile, and can bond a wide variety of substrates without the need for surface primers or conditioners. Typical examples include:

- Bonding metal fasteners to moulded composite parts;
- Bonding aluminium and stainless steel lettering in the sign manufacturing industry;
- Bonding automotive carbon fibre body panels;
- Bonding GRP in the marine industry;
- Bonding dissimilar metals for trailer fabrication.

Properties of Uncured Material

Resin	Methyl Methacrylate
Colour	Green/Pink
Appearance	Translucent Liquid
Viscosity Brookfield T Bar	5000cps
Cure System	Exothermic
Open Time	2-3 Minutes @ 20°C
Handling Strength	4-5 Minutes @ 20°C

Performance of Cured Material

ASTM D1002 Lapshear	Up to 25 Nmm ²
ASTM D638 Tensile Strength	Up to 25 Nmm ²
Gap Fill	2mm
Temperature Range	-55°C to 125°C

Directions for Use

1. Always consult MSDS before using S1500 for the first time.
2. Carry out surface preparation where required.*
3. Remove cap, and attach mixer nozzle.
4. Dispense sufficient adhesive to ensure equal mix.
5. Apply adhesive to one surface and assemble components carefully, clamping if required.
6. It is always easier to remove any excess adhesive prior to cure using a suitable cleaner *
7. Allow the adhesive sufficient time to achieve handling strength before moving or unclamping components.

* Contact Bondrite for full information and usage instructions.

Please consult the S1500 Health & Safety Data Sheet for statutory regulation information.

Information relating to the products of Bondrite Adhesive Limited is based on tests carried out under laboratory conditions. If any of our products are not used in accordance with our instructions or are used under conditions which vary from our laboratory, they may not perform in accordance with any information provided and Bondrite shall not have any liability in this case. Bondrite will accordingly provide samples of our products, on request and free of charge, for Customers to carry out their own tests as to suitability of our product for their purposes and as used in their intended environment.

Purchase from Bondrite