

Product Description

Bondchem AT09 is a wicking adhesive and sealant, with an ultra fast cure system. The low viscosity and capillary action of the AT09 allows it to seek voids between assembled metal components, and then cure anaerobically.

Typical Applications

Bondchem AT09 is designed for post assembly use on all types of metal fastener, eliminating the need to disassemble prior to application. AT09 can also be used as a weld or porosity sealant, which seeks out casting irregularities (hairline cracks). A unique capillary action allows the sealant to penetrate the smallest pores or cracks to provide a positive seal. The product is fluorescent under UV lamps for inspection purposes.

Instructions For Use

1. For best results clean all exposed surfaces with a cleaning solvent and allow to dry.
2. Apply several drops of the adhesive into the fixing/engagement position of the fastener, or onto the internal threads of a blind hole.
3. Allow the product to wick into engaged components and cure.
4. Remove excess adhesive with cleaning solvent.

Properties of Uncured Material

| | |
|-------------------------|----------------|
| Resin | Dimethacrylate |
| Colour | Green |
| Viscosity @ 25°C | |
| Brookfield Sp 1 @ 50rpm | 20-55 cps |
| Cure System | Anaerobic |

Performance of Cured Material

| | |
|-----------------------------|-----------------|
| Fixture Speed | <60 mins @ 20°C |
| Full Cure Time | 24 hours @ 20°C |
| Temperature Range | -53C to 148C |
| Typical Breakaway Strength | 10 Nm |
| Typical Prevailing Strength | 29 Nm |
| Gap Fill | 0.1mm |

Packaging

Bondchem AT09 is available in 10ml, 50ml, 250ml LDPE bottles. In addition, we can offer automated dispensing lines for the bulk dispensing of this material.

Storage & Shelflife

Bondchem AT09 should be stored in a cool dry area, out of direct sunlight. Stored correctly, this grade can offer a 12 month shelf life from manufacture.

Health and Safety in Use

Irritant: Contains Methacrylate Esters which may irritate eyes, respiratory organs and skin. In case of contact with the skin, wash immediately with plenty of water. For full Health and Safety information please consult the MSDS