

Product Description

Bondchem AT02 is a low strength anaerobic threadlocker, designed to allow easy disassembly of metal threaded components. AT02 is thixotropic, which reduces the migration of the liquid adhesive following application. Once applied, the AT02 only cures when confined between the two mating metal parts. Despite the controlled low torque disassembly that the AT02 provides, the AT02 still maintains excellent vibration and shock resistance.

Typical Applications

Bondchem AT02 is well suited to metal fastener applications, where prevention of vibrational loosening is required. AT02 is ideal on set screws, threaded nuts, bolts, screws, hex and slot driven components, including keyed fasteners.

Instructions For Use

1. For best results clean all surfaces with a cleaning solvent and allow to dry.
2. If the metal is inactive (see Compatibility Chart) apply suitable Bondchem primer.
3. Shake the product thoroughly before application
4. Apply the adhesive to the fixing position of the fastener or onto the internal threads of a blind hole.
5. Use suitable methods to assemble components, and tighten to required torque level.
6. Allow to fully cure before applying load

Properties of Uncured Material

Resin	Dimethacrylate
Colour	Purple
Viscosity @ 25°C	
Brookfield Sp 3 @ 20rpm	900-1500cps
Viscosity 2	Thixotropic
Cure System	Anaerobic

Performance of Cured Material

Fixture Speed	20 Minutes @ 25°C
Fixture Speed with Primer	<5 Seconds
Full Cure Time	24 hours @ 20°C
Typical Breakaway Strength	6 Nm
Typical Prevailing Strength	4 Nm
Gap Fill	0.018mm
Temperature Range	-53°C to 148°C

Packaging

Bondchem AT02 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 AT02 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