

White Label Technology

Bondchem WT03 is produced from our latest non-hazardous technology incorporating a bespoke group of high purity raw materials. This unique future-proof technology ensures that the product label requires no hazard symbols or risk and safety phrases, and enables the product to comply with even the most stringent health and safety requirements.

Product Description

Bondchem WT03 is an oil tolerant medium strength threadlocker, that cures anaerobically to lock all types of metal threaded fasteners. **WT03** is designed for applications that require future disassembly with standard hand tools, and offers excellent temperature and solvent resistance once cured. **WT03** is also thixotropic, which aids assembly by reducing the migration of the liquid adhesive following application. This grade can even cure rapidly on plated, oily metal, or inactive surfaces.

Typical Applications

Bondchem WT03 is well suited to a number of applications including:

- Replacing lock washers and plastic inserts.
- Locking machine tool access bolts.
- Locking and sealing gear box and drive shaft bolts.
- Securing conveyor roller bolts.
- Locking bearing cover cap screws.

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 cure fully before applying load.

Properties of Uncured Material

Resin	Modified Acrylate
Colour	Blue
Viscosity @ 20°C	
Brookfield Sp 2 @ 20rpm	1300-3000 cps

Performance of Cured Material

Fixture Speed	5 to 10 Minutes @ 25°C
Fixture Speed with Primer	<1 Second
Full Cure Time	24 hours @ 20°C
Typical Breakaway Strength	24 Nm
Typical Prevailing Strength	5 to 7 Nm
Gap Fill	0.04mm
Temperature Range	-53°C to 148°C

Packaging

Bondchem WT03 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 WT03 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

In case of contact with the skin, wash immediately with plenty of water. For full Health and Safety information please consult the MSDS.