



Technical Datasheet WT05

White Label Technology

Bondchem WT05 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 WT05 is a high strength anaerobic threadlocker, designed to permanently lock metal threaded components. **WT05** locks fasteners up to 25mm in diameter, sealing against leakage and corrosion. **WT05** is thixotropic, which reduces the migration of the liquid adhesive following application. Once cured, the **WT05** resists attack from most fuels, lubricants and even most industrial gases.

Typical Applications

Bondchem WT05 is designed for ultimate strength metal fastener applications such as studs into motor housings. The **WT05** can eliminate the need to double-nut, or weld critical heavy duty assemblies. Due to the viscosity of **WT05**, it is suited to both fine and medium threaded metal parts, that will not require periodic disassembly.

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	Dimethacrylate
Colour	Green
Viscosity @ 20°C	
Brookfield Sp 2 @ 20rpm	400 - 800cps
Cure System	Anaerobic

Performance of Cured Material

Fixture Speed	30 Minutes @ 20°C
Fixture Speed with Primer	<5 Seconds
Full Cure Time	24 hours @ 20°C
Typical Breakaway Strength	22.5 to 34 Nm
Typical Prevailing Strength	28 to 40 Nm
Gap Fill	0.018mm
Temperature Range	-53°C to 148°C

Packaging

Bondchem WT05 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 WT05 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.

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