

White Label Technology

Bondchem WS27 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 WS27 is a medium strength pipe-sealant, that provides a non-shrink, instant low pressure seal on tightened fittings of up to 150psi. Once fully cured, this grade can resist pressures of up to 10,000psi, whilst maintaining a vibration proof seal that is resistant to most chemicals and corrosion. This grade is designed to offer a controlled low to medium break strength, to allow component disassembly.

Typical Applications

Bondchem WS27 is designed for the locking and sealing of metal pipes and fittings, and is used on most hydraulic, pneumatic, oil, water and gas connections. **WS27** also contains Teflon, which lubricates the parts during assembly, providing additional maintenance support.

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. Apply a bead of adhesive around the leading 2nd and 3rd threads of the male fitting (this prevents uncured sealant from entering the system by not filling the first thread).
4. Ensure the applied material fully fills all covered voids.
5. Use suitable methods to assemble components, and tighten to required torque level.
6. For ultimate pressure and solvent resistance allow the material to cure fully prior to use.

Properties of Uncured Material

Resin	Dimethacrylate
Colour	Yellow
Viscosity @ 20°C	
Brookfield Sp 6 @ 20rpm	16,000 – 33,000 cps
Cure System	Anaerobic

Performance of Cured Material

Fixture Time	< 15 Minutes @ 25°C
Fixture Time with Activator	< 10 Minutes
Full Cure Time	24 hours @ 22°C
Temperature Range	-53°C to 148°C
Pressure Resistance	10,000psi
Typical Breakaway Strength	11 Nm
Typical Prevailing Strength	6 Nm
Product Approval	WRAS + BSEN751 + DVGW + ROHS

Packaging

Bondchem WS27 is available in 50ml and 250ml LDPE tubes. In addition, we can offer automated dispensing lines for the bulk dispensing of this material.

Storage & Shelflife

Bondchem WS27 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.