

White Label Technology

Bondchem WS21 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 WS21 is a fast curing pipe-sealant, that designed for the locking and sealing of metal pipes. Once fully cured this grade provides a vibration proof seal that is resistant to most chemicals and corrosion. This grade is designed to offer a controlled low break strength, to allow easy component disassembly.

Typical Applications

Bondchem WS21 is designed for the locking and sealing of metal pipes and fittings, and is used on most hydraulic, pneumatic, oil, water and gas connections. **WS21** 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 | White |
| Viscosity @ 20°C | |
| Brookfield Sp 5 @ 20rpm | 23,000 - 35,000 cps |
| Cure System | Anaerobic |

Performance of Cured Material

| | |
|-----------------------------|---------------------|
| Fixture Time | < 12 Minutes @ 25°C |
| Fixture Time with Activator | < 4 Minutes @ 25°C |
| Full Cure Time | 24 hours @ 20°C |
| Temperature Range | -53°C to 148°C |
| Typical Breakaway Strength | 6 Nm |
| Typical Prevailing Strength | 4 Nm |

Packaging

Bondchem WS21 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 WS21 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

Bondchem M130 is a methyl methacrylate and should not be used without consulting the MSDS, which contains full information regarding the use of this product, including Transport, Disposal, Toxicological, Exposure Controls, Accidental Release and First Aid measures essential to the safe use of this product.