

Product Description

Bondchem WS29 is a high pressure, low viscosity anaerobic threadsealant. WS29 is designed to lock and seal metal pipes and fittings, curing to prevent loosening and leakage from shock and vibration. In addition, this product has excellent solvent resistance, even at elevated temperatures.

Typical Applications

Bondchem WS29 was designed to seal hydraulic and pneumatic fittings up to 50mm in diameter. This grade is used widely in the hydraulics industry on fittings, servo mechanisms and fine filtration systems. WS29 in its liquid state, will readily disperse in hydraulic fluid, and is therefore virtually non-fouling in all types of hydraulic systems. WS29 contains no fillers or particles, and will therefore not foul valves or screens.

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 fully cure prior to use.

Properties of Uncured Material

Resin	Dimethacrylate
Colour	Brown
Viscosity @ 25°C	
Brookfield Sp 2 @ 20rpm	400 to 800cps
Cure System	Anaerobic

Performance of Cured Material

Fixture Time	< 20 Minutes @ 22°C
Fixture Time with Activator	<10 Minutes
Full Cure Time	24 hours @ 20°C
Temperature Range	-53°C to 148°C
Pressure Resistance	10,000psi
Cured Strength	Medium

Packaging

Bondchem WS29 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 WS29 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.