

Product Description

Bondchem WS20 is a medium strength high temperature anaerobic sealant, or gasket maker. WS20 provides resistance to low pressures immediately after assembly of the mating flange faces. WS20 is also thixotropic, which reduces the migration of the liquid adhesive following application onto the component surface.

Typical Applications

Bondchem WS20 is designed to seal the joint between metal faces and flanges, such as valve covers, water pumps and gearbox casings. WS20 can be used with or without pre-cut, pre-formed gaskets.

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 continuous bead of WS20 to one of the mating metal faces.
4. Use suitable methods to assemble components, and tighten quickly to avoid shimming.
5. If required run a low pressure test to confirm a full seal has been made before the product is left to fully cure. For ultimate pressure and solvent resistant allow the material to fully cure prior to use.

Properties of Uncured Material

Resin	Dimethacrylate
Colour	Red
Viscosity @ 25°C	
Brookfield Sp C @ 2.5 rpm	40,000 to 140,000 cps
Cure System	Anaerobic

Performance of Cured Material

Fixture Time	< 20 @ 22°C
Fixture Time with Activator	<15 Minutes
Full Cure Time	24 hours @ 22°C
Temperature Range	-53°C to 150°C*
Breakaway Torque	6Nm
Prevailing Torque	4Nm

**reduction in strength can occur above 150°C*

Packaging

Bondchem WS20 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 WS20 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.