Bondchem

Product Description

Bondchem AS21 is a low strength anaerobic sealant, or gasket maker. AS21 provides resistance to low pressures immediately after assembly of the mating flange faces. AS21 is also thixotropic, which reduces the migration of the liquid adhesive following application onto the component surface.

Typical Applications

Bondchem AS21 is designed to seal the joint between metal faces and flanges, such as valve covers, water pumps and gearbox casings. AS21 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 AS21 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	Modified Methacrylate
Colour	White
Viscosity Spindle 4 @ 30rpm @ 20ºC	9,000 to 22,000 cps
Cure System	Anaerobic

Performance of Cured Material

Fixture Time	<20 Minutes @ 20ºC
Fixture Time with Activator	<4 Minutes
Full Cure Time	24 hours @ 22ºC
Temperature Range	-53ºC to 150ºC
Breakaway Strength	6Nm
Prevailing Strength	2Nm

Packaging

Bondchem AS21 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 AS21 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

Irritant: Contains Methacrylate Esters which may irritate eyes, respiratory organs and skin. In case of contact with the skin, wash immediately with plenty of water. For full Health and Safety information please consult the MSDS.