Bondchem

Technical Datasheet WR17

Product Description

Bondchem WR17 is a high strength medium viscosity retaining compound, designed to bond close fitting metal surfaces with an ultimate structural strength. WR17 specializes in bonding cylindrical fitting parts, and maintains an unfaltering bond under all levels of cyclic load stress distribution. Designed for the permanent fixture of parts and not reccomended for parts that may require a strip down or maintenance related dis-assembley.

Typical Applications

Bondchem WR17 can be used in a wide variety of applications, especially interference or press fit parts including:

- · High strength retention of bearings
- · Locking of keys and splines
- · Bonding rotors, bushes and sleeves to shafts

Instructions For Use

- 1. For best results clean all surfaces with a cleaning solvent 3. Apply the adhesive to both the inside of the collar, and the and allow to dry.
- 2. If the metal is inactive or the gap >0.2mm, apply Bondchem A249 activator to increase cure speed.
- leading edge of the pin, and assemble parts with a rotational motion, ensuring a high surface coverage.
 - 4. Allow parts to cure to handling strength.

· Securing loose or worn parts

Properties of Uncured Material

Resin	Dimethacrylate
Colour	Green
Viscosity @ 20°C	
Brookfield Sp 3 @ 20rpm	300-900 cps

Performance of Cured Material

Fixture Time Black Oxide	<10 min @ 22°C
Fixture Time with A249	<3 Minutes
Full Cure Time	24 hours @ 20°C
Gap Fill (Diametrical)	Up to 0.25mm
Strength Break Loose M10	30-40 Nm
Strength Prevailling M10	20-30 Nm
Temperature Range	-50°C to 150°C

Packaging

Bondchem WR17 is available in 10ml, 50ml, 250ml LDPE bottles. In addition, we can offer automated dispensing lines for the bulk dispensing of this material.

Storage & Shelflife

Bondchem WR17 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.

The data, information and values contained in this Technical Data Sheet has been obtained by conducting various tests in a controlled laboratory environment, and should be used for guidance purposes only. Although we believe them to be reliable and accurate. users should always conduct their own tests in their specific working conditions to ensure that the product is suitable and effective for use. It is the users sole responsibility to determine the suitability of the product for the application. Bondchem Ltd cannot be held responsible for the results of procedures undertaken elsewhere, nor for the safeguarding of personnel or property, all of which is the duty of the user. Suitability of products or methods is discretionary. Therefore, warrantees or implied usage obligations should not be attributed to, and are not the responsibility of, Bondchem Ltd. Bondchem Ltd are not reliable for any financial loss or other damages incurred by the user as a result of the use of this product.

