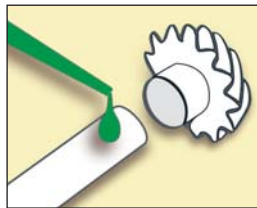


Product data

231 High strength retainer

Anaerobic



General description

A controlled, very high shear strength anaerobic for the permanent retention of slip and press fitted components, including bushings and sleeves. **AJETT 231** is approved for most industrial metals, including steel, stainless steel, brass and plated items.

As with all **AJETT** retaining products, **231** stops vibration loosening parts, acts as a seal against leakage and corrosion and resists most chemicals and solvents.

Benefits

- 100% surface contact improves joint strength reliability.
- Very high shear strength – typically 31 N/mm² on steel parts.
- Retains parts permanently.
- Increases the strength of press fitted parts – helps to reduce machining costs.
- Allows larger tolerances to be used by curing through gaps up to 0.25 mm.
- Can be used on ‘as received’ parts.
- Forms a plastic seal that prevents joints rusting or seizing up and galvanic corrosion.
- Seals against leakage.
- Stops vibration from loosening parts.

- Wide temperature range in service.
- Green fluorescent colour for easy identification.
- Cured product does not migrate.
- Easy to apply from bottle.
- Does not need activator or primer for plated parts (if application above 5°C).

Typical uses – permanent retention of

- Shafts.
- Rotors.
- Gears.
- Pulleys and bushes.
- Pins, keys and dowels.

Replaces

- Shrink and interference fits.
- Precise machining.

Application

- By hand or automated.
- Single component – no mixing or primers.
- Self cures within the joint.

Cost saving

- Low inventory – one grade bonds a wide variety of bearings and other devices.
- Replaces expensive machining.
- Speedy – push fits can be used.
- Joint is easy to undo, no matter how many years it has been assembled.

‘Anaerobic’ – the locking and sealing process begins only when parts are assembled.

Typical properties

Composition	Urethane dimethacrylate
Physical appearance	Liquid
Colour	Green fluorescent
Odour	Light
Viscosity at 25°C	2,500 mPas
Flash point, closed cup	Above 100°C
Temperature range	-50 to +150°C
Handling strength	30 minutes at room temperature
Full cure	24 hours at room temperature
Shear strength – typical	31 N/mm² on steel parts
Shear strength – range	22 to 40 N/mm² on steel parts
Corrosiveness	None
Maximum gap fill	0.25 mm

Packaging

50 ml plastic bottles
Catalogue number **231/50**. Other sizes available to order.

Shelf life

12 months minimum in normal storage conditions (dry, room temperature) and in closed original packaging.

Precautions for use

Please refer to the **AJETT** material safety data sheet *MSDS 231*.

Application method

AJETT 231 works best on clean parts. Apply evenly to one surface, Assemble and allow to cure.

Solvent resistance

AJETT 231 maintains a minimum of 80% strength after 1,000 hours in most common automotive fluids when immersed and tested at room temperature.

The product is not for use with pure oxygen systems or systems containing strong oxidising materials.

Replacement

AJett 231 can be used instead of the following anaerobic products:
Chemence Anacure 2043
Loctite 638
Omnifit 230H
Permabond A128

NOTE: Data provided shows mean averages arrived after laboratory testing. Manufactured batches may vary slightly.

This publication is intended to serve as a guide only. Customers should satisfy themselves by appropriate trials that the product is suitable for its intended use.

The information is given in good faith and based on the state of our knowledge about the product – but cannot be used as a sales specification.

The attention of users should be brought to eventual hazards arising from the use of the product if they differ from what it was originally formulated for.

The customer will agree and accept our general sales and supply condition, in particular the cause of limitation and relief of responsibility.

Publication reference PS231 – issue 4, April 2007