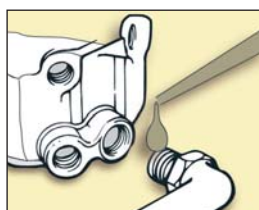


Product data

315

Hydraulic Pipe Sealant

Anaerobic



General description

A controlled, medium strength anaerobic sealant for fine, parallel metal threads. It locks and seals all hydraulic and pneumatic connections up to 20 mm diameter.

AJETT 315 is ideal for machine tools and automotive systems. It gives an instant low pressure seal; when cured seals against leakage, prevents corrosion and resists most chemicals and hydraulic fluids. Joints can be undone with hand tools. It will not clog filters and is compatible with hydraulic oils.

Benefits

- Instant, low pressure seal to allow fast system start ups.
- Cures when assembly is made.
- Won't shrink or crack when cured.
- Pressure resistance of 680 bar when cured in properly tightened connections.
- Viscosity formulated for fine threads.
- Wide temperature range in service.
- Seals against leakage and corrosion.
- Forms a plastic seal that prevents threads rusting or seizing up.
- Stops vibration loosening connections.
- Does not string or contaminate or block oil channels, water channels or filters.

- Excess can be wiped off.
- Does not migrate.
- Thixotropic.
- Easy to apply from bottle.
- Does not need activator or primer for plated parts (if application above 5°C).

Typical uses – sealing

- Hydraulic fittings.
- Pneumatic fittings.

Replaces

- Tapes.
- Pastes.
- Hemp.

Application

- By hand or automated.
- Single component – no mixing or primers.
- Self cures within the joint.
- Free spinning assembly of pipe joints.

Cost saving

- Low inventory – just one grade needed.
- Speedy – replaces tapes that are time consuming to apply.
- Only a small amount required to make an effective seal – any excess can be left.
- 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. **AJett 315** is not recommended for hot water systems using copper pipes

Typical properties

Composition	Dimethacrylate ester
Physical appearance	Liquid
Colour	Brown
Odour	Light
Viscosity at 25°C	525 mPas
Flash point, closed cup	Above 100°C
Temperature range	-55 to +150°C
Handling strength	Instant low pressure seal
Full cure	24 hours at room temperature
Breakaway torque – typical	15 N.m on steel threads, M10
Breakaway torque – range	8 to 20 N.m on steel threads, M10
Prevail torque	10 N.m on steel threads, M10
Pressure resistance	680 bar, when cured
Maximum gap fill	0.15 mm

Packaging

50 ml plastic bottles
Catalogue number **315/50**. 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 315*.

Application method

AJETT 315 works best on clean parts – light oils can be tolerated. Apply to one surface, assemble and tighten.

Solvent resistance

AJETT 315 maintains a minimum of 90% 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 315 can be used instead of the following anaerobic products:

Loctite 542
Omnifit 50M
Permabond A131

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 PS315 – issue 5, April 2007