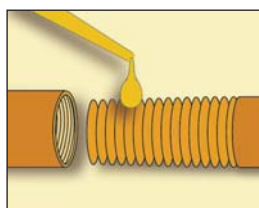


Product data

311

Pipe Sealant

Anaerobic



General description

A controlled, medium strength anaerobic sealant for instant low pressure seals on all types of metal pipe fittings. **AJETT 311** replaces hemp, tapes and pastes to seal straight and tapered pipe threads up to 75 mm (3 inch) diameter. It seals against leakage, prevents corrosion and resists most chemicals and solvents. Joints can be undone with hand tools.

Benefits

- Instant, low pressure seal to allow fast system start ups.
- Cures when assembly is made.
- Won't shrink or crack when cured.
- 100 bar pressure resistance when cured in properly tightened connections.
- 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.
- Does not need activator or primer for plated parts (if application above 5°C).

- Easy to apply.
- Cures due to anaerobic effect.
- Thixotropic.

Typical uses – sealing metal pipes

- All types of pipework:
 - Water pipes.
 - Steam pipes.
 - Gas pipes (but not pure oxygen).
 - Oil pipes.

Replaces

- Tapes.
- Pastes.
- Hemp.

Application

- By hand straight from accordion pack.
- 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 time-consuming-to-apply tapes.
- 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 311** is not recommended for hot water systems using copper pipes*

Typical properties

Composition	Dimethacrylate ester
Physical appearance	Paste
Colour	Yellow fluorescent
Odour	Light
Viscosity at 25°C	80,000 mPas
Flash point, closed cup	Above 100°C
Temperature range	-50 to +150°C
Handling strength	Instant low pressure seal
Full cure	24 hours at room temperature
Breakaway torque – typical	11 N.m on steel pipes
Breakaway torque – range	6 to 15 N.m on steel pipes
Prevail torque	6 N.m on steel pipes
Pressure resistance	100 bar, when cured
Maximum gap fill	0.15 mm

Packaging

50 ml accordion pack.
Catalogue number **311/50**. 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 311*.

Application method

AJETT 311 works best on clean parts – light oils can be tolerated. Apply to one surface, assemble and tighten.

Solvent resistance

AJETT 311 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 311 can be used instead of the following anaerobic products:

Loctite 577
Omnifit 50H
Permabond A131 or LH150

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.

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