

**PRODUCT DESCRIPTION**

LS10 Brake & Airline Sealant is a medium-strength anaerobic thread sealant designed for the locking and sealing of metal pipes and fittings. LS10 can be used with various liquids and gases and provides an instant low-pressure seal. Slow curing allows for coarse threads that need time for adjustment, suitable for threads up to M80.

**THREAD SEALANTS**

Sterling Thread Sealants are single-component liquids that cure at room temperature in the absence of air and when in contact with metal ions. The adhesive completely fills the gaps between mating threads to lock threads and joints. Sterling Thread Sealants replace conventional methods used such as PTFE tape, O-ring, hemp etc which can all cause issues.

**ANAEROBIC KEY FEATURES**

- Single-component – clean and easy to apply
- Do not creep, shrink or block systems
- Can be used on any size of pipe fitting
- Replaces all types of tape and paste sealants
- The seal resists vibration and shock loads
- Protect mated threaded areas against corrosion and galling.

**TEST PERFORMANCE**

Full Cure Time	60 hours
Strength – ISO 10964 Breakaway Prevailing	>6Nm >2Nm

**TEST CRITERIA**

The test performance data reported was measured according to ISO 10964 using M10 black oxide bolts and mild steel nuts, cured 24 hours at 22°C (71.6°F) before testing.

**TECHNICAL FEATURES**

Base technology	Dimethacrylate
Colour	White Paste
Cure	Anaerobic
Viscosity Brookfield Sp6@20rpm@25°C	17,000-28,600 cps
Cure speed without Activator	<60 hours @ 22°C
Cure speed with Activator	Not recommended
Maximum Thread Size	M80
Shelf Life	24 months @ 22°C
Specific Gravity ASTM D1475-13 (2020)	1.25
Temperature Range	-55°C to +150°C

**INSTRUCTIONS FOR USE**

- Clean surfaces to be bonded with Solvent Cleaner and allow to dry
- Apply adhesive to the surface and assemble parts
- When the cure speed is slow use Anaerobic activator for increased cure and set times.

**LIMITATIONS**

- This product is not recommended for use in pure oxygen and/or oxygen-rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials. Material removed from containers may be contaminated during use. Do not return the product to the original container. BEAL UK Ltd will not assume responsibility for product that has been contaminated or stored under conditions other than those



previously indicated. If additional information is required, please contact our office, and report the problem

- Anaerobic products are not normally recommended for use on plastics (particularly thermoplastic materials where stress cracking of the plastic could result). Users are recommended to confirm compatibility of the product with such substrates.

**STORAGE**

Store product in the unopened container in a dry area out of direct sunlight. Storage below 7°C or greater than 28°C can adversely affect product performance. If stored properly, this product has a shelf life of 24 months.

**HEALTH & SAFETY**

This technical information sheet does not constitute a Safety Data Sheet (SDS). Before using this product ensure you have read and fully understood this products SDS.

**PACKAGING FORMAT**

Bottle.....50ml

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