

TECHNICAL DATA SHEET



Product Name: Aerobeeswax (ABX-500L)
OEM P/N: P05-395, P06-015, D00596, G51574, C10-154, C10-109,
EAC-0162, EAC-0369
Date of Issue: 02-May-2026
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Revision: 3.0
Country of Manufacture: United Kingdom

SECTION 1. PRODUCT DESCRIPTION

Aerobeeswax is a high-purity beeswax developed for aerospace and defence maintenance environments. It is used for the temporary positioning of gaskets, seals, fasteners, and lightweight components during installation and servicing.

The product is supplied in pre-formed strips for ease of use, consistent application, and reduced contamination. Each box contains 50 strips (100g net weight).

Aerobeeswax is lab-tested for purity, tackiness, and thermal consistency and complies with key performance specifications required by OEMs and aerospace maintenance standards.

SECTION 2. TYPICAL PROPERTIES

| | |
|----------------------------------|---|
| Appearance: | Yellow solid strip |
| Form: | Solid (pre-cut strip) |
| Odour: | Mild, natural beeswax scent |
| Specific Gravity @ 20°C: | 0.95 – 0.97 |
| Melting Point: | 61–65°C |
| Tack (adhesiveness): | Medium tack (non-permanent) |
| Solubility: | Insoluble in Water |
| Residue Upon Evaporation: | None |
| Electrical Conductivity: | Non-conductive |
| Flammability: | Not classified as flammable |
| Ester/Acid Ratio: | 3.3-4.3 |
| Heavy Metals: | <= 3 mg/kg As, <= 1 mg/kg Hg, <= 2 mg/kg Pb |

SECTION 3. APPLICATION GUIDELINES

- Apply directly to dry, clean surfaces
- No tools or heating required – can be applied by gloved hand
- Ideal for:
 - Holding seals/gaskets in place during bolt-up
 - Thread lubrication in hand-tight assemblies
 - Temporary masking or spacing in critical assemblies
- Residue-free and does not require solvent cleanup
- Not intended for permanent sealing or structural bonding

SECTION 4. COMPATIBILITY

Aerobeeswax is non-reactive and safe for use with the following common aerospace materials.

Aluminium and Alloys

Compatible

| | |
|-----------------------------------|------------|
| Titanium | Compatible |
| Stainless Steel | Compatible |
| Composites (epoxy/carbon) | Compatible |
| Rubber and Elastomer Seals | Compatible |
| PTFE / Teflon Components | Compatible |
| Plastics (Nylon, PVC, ABS) | Compatible |

Note: Always test for compatibility when applying to painted or coated surfaces.

SECTION 5. PACKAGING

- 100g per retail box
- 50 strips per box
- Strip dimensions: L70mm x W15mm x T2mm

SECTION 6. STORAGE & SHELF LIFE

| | |
|-----------------------------|--|
| Storage Temperature: | 5°C to 30°C |
| Humidity: | Dry environment, sealed pack |
| Shelf Life: | 2 years from manufacture date |
| Handling: | Store away from heat and direct sunlight |

SECTION 7. COMPLIANCE & DOCUMENTATION

- Fully REACH Compliant
- Non-hazardous under CLP/GHS guidelines
- SDS (Safety Data Sheet) available on request
- Lab test certificate available for each production batch
- Complies with key OEM requirements (see OEM compatibility chart)

SECTION 8. OEM & SPECIFICATION COMPATIBILITY

Aerobeeswax (ABX-500L) is a 100% pure beeswax material whose physical and chemical properties align with the requirements of non-curing, temporary assembly aids referenced in aerospace maintenance documentation. Due to its non-reactive composition, absence of solvents, and residue-free behaviour, Aerobeeswax is suitable for applications where traditional petrolatum-based or wax-based assembly compounds are specified. The product is compatible with applications referencing the following OEM specifications:

| Airbus | Boeing | Engine Alliance | GE Aerospace |
|---------------|---------------|------------------------|---------------------|
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SECTION 9. DISCLAIMER

The information contained in this document is believed to be accurate and reliable as of the date of issue. It is the responsibility of the user to verify suitability for the intended application. Aerobeeswax makes no warranties, expressed or implied, regarding the product's performance in any specific context.