

### HYLOMAR AEROGRADE ULTRA PL32A

Chlorinated solvent free version of Hylomar Aerograde PL32

#### Description

Hylomar Aerograde Ultra is a highly engineered, polyester-urethane based non-setting and non-hardening gasketing compound, for use in the aeronautical industry. Hylomar Aerograde Ultra was developed in response to requests from Rolls Royce - Aerospace Division for a chlorinated solvent free version of Hylomar Aerograde. Aerograde Ultra can operate at temperatures between  $-50^{\circ}\text{C}$  ( $-58^{\circ}\text{F}$ ) and up to  $250^{\circ}\text{C}$  ( $482^{\circ}\text{F}$ ).

The product carries the same Rolls Royce MSRR 9055 approval as the old Aerograde product and OMAT numbers 4/46A (light version) and 4/47A (standard version).

#### Typical Properties

Hylomar Aerograde Ultra	Light Grade	Medium Grade	Heavy Grade
Film Thickness	0.015 mm	0.03 mm	0.09 mm
Surface Finish Max	2.0 $\mu\text{m}$	3.0 $\mu\text{m}$	3.5 $\mu\text{m}$
Area covered by 80 mls	2.25 $\text{m}^2$	1.36 $\text{m}^2$	0.67 $\text{m}^2$
Product coverage after drying	2 $\text{mg}/\text{cm}^2$	4 $\text{mg}/\text{cm}^2$	12 $\text{mg}/\text{cm}^2$

#### Instructions for use

The joint faces should be clean and dry. Both faces should then be coated with a thin, even film of the product. The components can be assembled as soon as the solvent has evaporated. Hylomar Aerograde Ultra is non-setting, once applied to the faces of the component, immediate assembly is not required. Due to the nature of Hylomar Aerograde Ultra, re-torquing of assembled components may be required.

For stud loading, torque to required figure, allow compound to settle for a few minutes, then re-torque.

Hylomar Aerograde Ultra can be removed from dismantled components using Hylomar Cleaner. No scraping is necessary.

#### Typical applications

Hylomar Aerograde Ultra is resistant to air; turbine and piston engine combustion products; water; glycol/water and methanol/water mixtures; petroleum and synthetic diester lubricating oils; gasolines and kerosene fluids (both Avtur and Avcat) and fluorocarbon refrigerants.

Information given in this publication is based upon technical data gained in our own and other Laboratories and is believed to be true. However the material is used in conditions beyond our control thus we can assume no liability for results obtained or damages incurred through the application of the data present herein.

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It is harmless to joint face materials. Traces of volatiles produced at elevated temperatures do not stain copper or silver; therefore, Hylomar Aerograde Ultra is suitable for joints and threads in close proximity to switch mechanisms etc. It is equally suitable for use as a gasket dressing and for metal to metal application.

### Handling and Safety Properties

The product is irritating to skin and eyes and is highly-flammable. Please see product safety data sheet for more information.

Once the Acetone has evaporated, Aerograde Ultra may be regarded as non-flammable and non-hazardous.

### Storage Precautions

Store in a cool, dry place between 5°C and 25°C (41°F and 77°F) with adequate ventilation  
The shelf life is 2 years when stored in the original unopened containers as detailed above.

### Packaging

Hylomar Aerograde Ultra is available in 75ml (2.53fl.oz) tubes. Please contact the sales department for more details.

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