

## HYLOMAR UNIVERSAL BLUE

Non-setting gasket compound

### Description

Hylomar Universal Blue is a polyester urethane based sealant that is non-setting and non-hardening even at high temperatures. The compound is resistant to a wide range of fluids including all industrial fuels, oils, water and brine, air, turbine and piston engine combustion products, water, water/glycol and methanol mixtures, petroleum and synthetic diester lubricating oils, gasoline and kerosene fluids (Avtur & Avcat) and fluorocarbon refrigerants. Hylomar Universal Blue can be used to seal joint faces or threaded parts.

### Physical Properties

<b>Chemical Basis</b>	Polyester Urethane
<b>Temperature range</b>	-50°C to 250°C
<b>LIGHT GRADE</b>	
<b>Film Thickness</b>	0.015 mm
<b>Surface Finish Max</b>	2.0 µm
<b>Area covered by 100g</b>	1.875m <sup>2</sup>
<b>Product coverage after drying</b>	2mg/cm <sup>2</sup>
<b>MEDIUM GRADE</b>	
<b>Film Thickness</b>	0.03 mm
<b>Surface Finish Max</b>	3.0 µm
<b>Area covered by 100g</b>	1.275m <sup>2</sup>
<b>Product coverage after drying</b>	4mg/cm <sup>2</sup>
<b>HEAVY GRADE</b>	
<b>Film Thickness</b>	0.09 mm
<b>Surface Finish Max</b>	3.5 µm
<b>Area covered by 100g</b>	0.56m <sup>2</sup>
<b>Product coverage after drying</b>	12mg/cm <sup>2</sup>

### Instructions for use

Hylomar Universal Blue should be applied to clean dry surfaces. Apply a thin film or bead to one or both surfaces. Once applied, sufficient time should be allowed for the solvent to evaporate. Unlimited assembly time allows precise alignment of joints to be made. Due to the nature of the compound, fasteners may be required to be re-tightened to the correct torque.

Hylomar Universal Blue can be removed from dismantling components by rubbing with a cloth soaked with Acetone. No scraping is necessary.

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.

Hylomar Ltd, Cale Lane, Wigan WN2 1JT UK Tel: +44 (0) 1942 617000 Fax: +44 (0) 1942 617001	Revision date	20.10.2010	Page 1 of 2
	Product name	Hylomar Universal Blue Issue 6	

## Typical Applications

Hylomar Universal Blue enables the effective sealing of metal to metal and plastic to plastic components. Typical applications include water and oil pumps, instrument inspection covers, cylinder heads and sumps, and it can also be used for the coating for pre-formed gaskets, weather proofing, motors and outdoor high voltage circuit breakers. Inlet manifolds, timing case covers, oil pump joints, gear box and transmission components or thread sealing it has also been successfully used in the assembly of gas turbines, water cool generators and turbo vacuum systems. There is no staining of copper and silver, etc., from traces of volatiles at elevated temperature, and is therefore suitable for joints, and threads in close proximity to switch mechanisms, etc.

**Light grade:** inlet manifolds, timing case covers, oil pump joints, gearbox and transmission components, thread sealing and any finely machined surface.

**Medium grade:** water and oil pumps, instrument inspection covers, cylinder heads, sumps and most machined surfaces.

**Heavy grade:** gas turbines, water cooled generators, turbo vacuum systems, gearboxes and most rough machined surfaces.

## Handling and Safety Properties

The compound is non-flammable

Product contains Dichloromethane

Labelling = Harmful. Carc cat 3. Phrases R40, S2, S23, S24/25 & S36/37.

Observe normal standards of industrial hygiene for handling chemicals. Avoid contact with skin & eyes. Avoid breathing vapours.

## Storage Precautions

Store in a cool, dry place between 5°- 25°C with adequate ventilation.

*In climates where temperatures are likely to exceed 25°C we strongly recommend that the customer buy cartridges rather than tubes.*

## Other Information

The shelf life is 2 years when stored in the original unopened containers as detailed above, for all tubes, cartridges, and lever lid tins.

## Packaging

Hylomar Universal Blue is available in 40 g tubes, 100 g tubes, 350 g cartridges, 1 litre lever lid tins, 6.5 kg lever lid tins, 25 kg kegs and aerosols. For Technical Data on the Hylomar Universal Blue Aerosol Grade see separate Data sheet.

**N.B.** After filling, subsequent handling of the tube causes minor indentations. This may cause the contents to be under a slight pressure. Care should be exercised when initially opening the tube as a small amount of product may spurt out.

For further information please contact our sales department

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.

Hylomar Ltd, Cale Lane, Wigan WN2 1JT UK Tel: +44 (0) 1942 617000 Fax: +44 (0) 1942 617001	Revision date	20.10.2010	Page 2 of 2
	Product name	Hylomar Universal Blue Issue 6	