

## HYLOMAR UNIVERSAL BLUE (Racing Formula)

### Description

Hylomar Racing Formula is a Polyester urethane based sealant, which 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 Racing Formula can be used to seal machined joint faces and threaded parts. Due to the changes in its formulation and the manufacturing sequence Hylomar Universal Blue Racing Formula exhibits significantly increased adhesive properties when compared to standard Universal Blue making the product ideal for high performance applications.

### Physical Properties

<b>Chemical Basis</b>	Polyester Urethane
<b>Temperature range</b>	-50°C to 250°C
<b>Film Thickness</b>	0.03 mm
<b>Surface Finish Max</b>	3.0 µm
<b>Area covered by 75ml</b>	1.275m <sup>2</sup>
<b>Product coverage after drying</b>	4mg/cm <sup>2</sup>

### Instructions for use

Hylomar Racing Formula should be applied to clean dry surfaces. If in doubt the surfaces can be prepared using Hylomar Cleaning Fluid, Hylomar Easy Clean Solvent or Hylomar Rally Wipes.

Apply a thin film or bead to both surfaces. Once applied, sufficient time must be allowed for the solvent to evaporate. Failure to allow the solvent to evaporate could lead to reduced product performance and in extreme cases seal failure.

The unlimited assembly time characteristic of Hylomar Universal Blue allows precise alignment of joints to be made. In addition, due to the dilatant nature of the product, re-torquing of assembled parts may be required.

Hylomar Racing Formula can be removed from dismantling components by rubbing with a cloth soaked with Hylomar Cleaning Fluid or alternatively use Hylomar Gasket Remover. No scraping is necessary.

### Typical Applications

Hylomar Racing Formula 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

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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pump joints, gear box and transmission components or thread sealing it has also been successfully been 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.

Applications include: water and oil pumps, instrument inspection covers, cylinder heads, sumps, inlet manifolds, timing case covers, oil pump joints, gearbox and transmission components, thread sealing and any finely machined surface.

### Handling and Safety Properties

The compound is Highly-flammable

Product contains Acetone

Labelling = Highly Flammable. Irritant

Risk phrases, R11, R36, R66, & R67.

Safety phrases, S2, S9, S16, S26.

Once the Acetone has evaporated, Hylomar Racing Formula may be regarded as non-flammable.

### Packaging

Hylomar Universal Blue Racing Formula is available in 75ml tubes.

For further details please contact our Sales Department. For details of the standard non-flammable grade of Hylomar Universal Blue please contact our Technical Services Department.

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