

HYLOMAR®

www.hylomar.com

HYLOMAR ADVANCED FORMULATION HV

FILLS IMPERFECTIONS ON MATING SURFACES THUS FORMING A SEAL.

PRODUCT SHEET

Pack size – 300ml cartridge.

Hylomar Advanced Formulation HV is a solvent free, non-setting and non-hardening, high viscosity non-slumping thixotropic gel which is ideal for sealing joints. It can also be used as a gasket dressing and flange sealant. It will enhance the sealing capability of all types of gaskets and flanges. Hylomar Advanced Formulation is resistant to:

- + Automotive fluids
- + Mineral oils
- + Synthetic lubricants
- + Fuels

Typical Applications:

- + Close fitting flanges against most lubricants and automotive fluids
- + Cylinder liners to engine blocks
- + Cylinder head cam caps
- + Electric motor end plate covers
- + Fuel injector gland nuts



FEATURES

- + Solvent free
- + Non- setting & non- hardening
- + Wide operating temperature -55°C to +250°C
- + Resistance to vibration & shock
- + Resistant to differential thermal expansion
- + Parts can be assembled immediately or left indefinitely before making the joint
- + Designed to fill and seal all the surface imperfections in the joint surfaces

TYPICAL PHYSICAL PROPERTIES

Colour	Blue
Specific Gravity (ASTM D4659)	1.18
Viscosity Spindle No 7 @ 2.5 rpm. 25°C (77°F) . (BS 5350: Part B9)	1,100,000 cps
Solubility in Water	None
Flash Point	Over 392°C (737.6°F)
Appearance	Non setting paste
Typical temperature range	-55°C to 250°C (-67°F to 482°F)
Typical Surface Finish	3.0 µm Ra
Area covered by 100g	2.0m ²

Hylomar Limited

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HYLO CLEAN

CLEANER/DEGREASER
PRODUCT SHEET

Pack sizes – 400ml aerosol

Hyloclean is a specially blended fluid that is highly effective at removing used Hylomar jointing compound from disassembled joint surfaces. The unique mix of solvents also make it perfect for cleaning and degreasing surfaces prior to use with any of Hylomar's range of adhesive and sealants.

Hyloclean is also very effective at removing uncured anaerobic, uncured silicone and uncured epoxy products.

Typical Applications:

- + Removing Hylomar M, Universal Blue, Advanced Formula and Aerograde, uncured Hylogrip anaerobic product, Hylobond, acrylic adhesives and Hylotype Red
- + Degreasing metal components – will remove most oils, lubricating fluids, metal cuttings and dirt from any metal surface
- + Hyloclean does not leave a residue and evaporates quickly after application



FEATURES

- + Highly effective at removing most Hylomar products
- + Also can be used for cleaning and degreasing surfaces
- + Does not leave a residue
- + Evaporates quickly after application

INSTRUCTIONS FOR USE

For the removal of used Hylomar jointing compound:

Spray HYLO®CLEAN liberally onto the used Hylomar jointing compound. Immediately wipe away the residue with a cloth.

For cleaning surfaces prior to adhesive or sealant application:

Spray HYLO®CLEAN liberally onto the surface of the component to be bonded or sealed, wipe clean using a cloth. Leave plenty of time for the solvent to evaporate before applying the sealant or adhesive.

To remove excess sealant or adhesive from the joint after assembly, liberally spray the cleaner onto a cloth and wipe away the excess. Take care when spraying directly onto an assembled component as the solvent may get into the joint itself and damage the seal.

Care should also be taken around painted and some plastic components as the solvent can discolour and soften paints and plastics

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HYLOGLUE

INSTANT ADHESIVES ARE SINGLE PART HIGH STRENGTH, RAPID BONDING ADHESIVES.

PRODUCT SHEET

Pack size – 20g, 50g and 500g (Hyloglue 1000 only)

Hyloglue is a high performance cyanoacrylate adhesive which is available in a number of grades. The product is available in a variety of different viscosities and will form a strong bond to a wide range of substrates in seconds.

The products are clean and easy to use and bond readily to a variety of materials.

Features:

- + High strength
- + Bonds in seconds
- + Simple to use
- + Non flammable
- + Good chemical resistance

HYLO®GLUE gives instant bonding of a wide variety of substrates such as – EPDM and SBR rubber components, ceramics, metals, plastics.

Typical Applications:

- + Bonding O-rings
- + Insulation materials
- + Electronic assemblies

FEATURES

- + High performance cyanoacrylate adhesive
- + Available range of viscosity's: low, medium & high
- + Form strong bonds to a wide range of substrates in seconds



TYPICAL PHYSICAL PROPERTIES

	Hyloglue 3	Hyloglue 120	Hyloglue 300	Hyloglue 1000	Hyloglue 2500
Available Viscosity	3cps	100cps	300cps	1000cps	2500cps
Strength Retention for 1000hours @ 25°C	Ethanol – 100% Water – 60% Air – 100% Automotive Fuels – 90%	Ethanol – 100% Water – 60% Air – 100% Automotive Fuels – 90%	Ethanol – 100% Water – 60% Air – 100% Automotive Fuels – 90%	Ethanol – 100% Water – 60% Air – 100% Automotive Fuels – 90%	Ethanol – 100% Water – 60% Air – 100% Automotive Fuels 90%

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HYLOGRIP

RESISTANT TO WATER, GASES, OILS, HYDROCARBONS AND MANY OTHER CHEMICALS

PRODUCT SHEET

Pack size – 50ml, 250ml

Hylogrip single part anaerobics, are available in a variety of different grades. The range offers different strengths, viscosities and cure times and are suitable for bonding and sealing different types of metal assemblies.

When fully cured they are highly resistant to heat, corrosion, vibrations, water, gases, oils, hydrocarbons and many other chemicals.

FEATURES

- + Resistant to heat, vibrations, water, gases, oils, hydrocarbons and many other chemicals
- + Available range of grades: low, medium & high
- + Large temperature range
- + Range of cure time
- + Range of strengths

TYPICAL PHYSICAL PROPERTIES

Type	Colour	Viscosity	Strength	Temp Range	Max Thread Size
HY2143	Dark Blue	Medium	Medium	- 55°C to + 150°C	M36
HY2170	Dark Green	Low	High	- 55°C to + 150°C	M36
HY5172	White	Medium	Low	- 55°C to + 150°C	M36
HY5177	Light Yellow	High	Medium	- 55°C to + 150°C	M36
HY6138	Green	Medium	High	- 50°C to + 150°C	N/A
HY6148	Dark Green	Low	High	- 50°C to + 150°C	N/A
HY5173	Light Green	High	Liquid Gasket	- 50°C to + 150°C	N/A
HY5174	Orange	High	Liquid Gasket	- 50°C to + 150°C	N/A
GASKET 2000	Ivory-Cream	High	Liquid Gasket	- 50°C to + 150°C	N/A
GASKET 3400	Yellow	High	Liquid Gasket	- 40°C to + 150°C	N/A

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HYLOSIL

AMINE, ACETOXY AND OXIME CURING ENGINEERING GRADE RTV SILICONE SEALANTS.

PRODUCT SHEET

Pack size –85g tube, 300ml cartridge, 17 litre kegs

FEATURES

- + Room temperature vulcanising (RTV) silicone compounds
- + High-performance engineering grade sealants
- + Used in the automotive industry and for original equipment manufacturing
- + Can also be used for a variety of applications
- + Particularly suitable for high strength applications
- + Good resistance to oils and aqueous anti-freeze agents.

TYPICAL PHYSICAL PROPERTIES

Hylosil	Colour	Cure System	Skin Time (Mins) @ 23°C & 60% RH	Temp Range	Extrusion Rate 3mm orifice @ 60PSI	Tensile Strength	Elongation at Break	Shore Hardness
101	Ivory	Amine	10	-50°C to +180°C (Usable up to +240°C)	55g/min	2.5N/mm ²	350%	25°
102	Black	Amine	10	-50°C to +180°C (Usable up to +240°C)	45g/min	2.5Nmm ²	350%	25°
103	Clear	Amine	10	-50°C to +180°C (Usable up to +240°C)	45g/min	2.5N/mm ²	350%	25°
106	Ivory	Amine	10	-50°C to +180°C (Usable up to +240°C)	18g/min	1.8N/mm ²	200%	25°
302	Black	Acetoxy	6	-40°C to +240°C	78g/min	1.9N/mm ²	460%	22°
303	Clear	Acetoxy	6	-40°C to +240°C	78g/min	1.9N/mm ²	460%	22°
310	Brick Red	Acetoxy	15	-50°C to +300°C	58g/min	1.4N/mm ²	420%	43°
343	Clear	Acetoxy	10	-40°C to +180°C	Flowable	0.7N/mm ²	300%	27°
607	Black	Oxime	10	-40°C to +240°C	85g/min	2.10N/mm ²	400%	34°
654	Anthracite	Oxime	7	-50°C to +250°C	125g/min ⁻¹	2.75N/mm ²	325%	45°
Instant Gasket	Clear	Acetoxy	6	-40°C to +240°C	78g/min	1.9N/mm ²	460%	22°

All Hylosil products have a cure rate of 3mm per 24 hours at 25°C & 60% RH

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HYLOTYTE RED 100

HYLOTYTE® RED 100 IS A SYNTHETIC, SEMI-HARDENING JOINTING COMPOUND THAT HAS EXCELLENT WATER RESISTANCE.

PRODUCT SHEET

Pack size – 40ml tube (blister card)

Hylotyte Red 100 is a synthetic, semi-hardening jointing compound that has excellent gap filling properties. After exposure to temperature the sealant will cure to form an elastomeric seal.

Hylotyte Red 100 is resistant to:

- + Water
- + Salt water
- + Anti-freeze
- + Synthetic oils

Typical Applications:

- + Sealing cooling systems such as water pumps, radiators and thermostat housing
- + Sealing flat rigid sump and gearbox housing
- + Preventing galvanic corrosion between dissimilar metals
- + Environmental seals, particularly those that may be exposed to salt water



FEATURES

- + Highly resistant to water
- + Based on new synthetic polymer technology
- + Forms an instant seal
- + Heat activated curing system
- + Excellent resistant to automotive fluids
- + Inhibits galvanic corrosion between dissimilar metals

TYPICAL PHYSICAL PROPERTIES

Appearance	Thixotropic Red Gel
Specific Gravity (ASTM D4659)	0.90-0.95
Temperature Range	-50°C - 180°C (-58°F-356°F)
Volatile Matter (MSRR 9055)	40-44%
Viscosity (Spindle 5 @2.5rpm) (BS 5350: Part B8)	55,000-75,000 cps
Area covered by 40ml	0.68 ml ²
Product coverage after drying	4 mgcm ⁻²

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HYLOMAR[®]

Universal Jointing Compound
Universaldichtung
Puesto de estanquidad
Âtache d'étanchéité

M

HYLOMAR M

UNIVERSAL JOINTING COMPOUND

PRODUCT SHEET

Pack sizes – 40ml tube (blister), 80ml tube (carton), 200ml (Aerosol), 200ml (Autopress), 250ml Brush top tin, 300ml Cartridge and 1 litre tin.

Hylomar M is a highly engineered, non-setting and non-hardening jointing compound. The compound is resistant to a wide range of fluids including:

- + Industrial fluids
- + Oils
- + Petroleum and synthetic diester lubricating oils
- + Gasoline and kerosene
- + Water
- + Water/glycol and methanol mixtures
- + Air
- + Turbine and piston engine combustion products

Typical Applications

- + Inlet manifolds
- + Timing case covers
- + Gearboxes and transmission components
- + Thread sealing and finely machined surfaces
- + Water and oil pumps
- + Instrument inspection covers
- + Cylinder head gasket
- + Flat rigid sumps
- + Gas turbines
- + Water cooled generators and turbo vacuum systems



FEATURES

- + Non-hardening and non-setting
- + Resistant to fuels, oils, coolants and gases
- + Specified worldwide by OEM's
- + Wide operating temperatures (- 50°C to +250°C)
- + Easy to use
- + Unlimited assembly time
- + Easy to disassemble components
- + For use on metal and plastic close fitting components
- + Use as a non-curing thread sealant
- + Resists vibration
- + Easy to apply to vertical and underside joints due to its thixotropic properties
- + Can be used with or without a gasket

TYPICAL PHYSICAL PROPERTIES

Temperature range	-50°C to 250°C (-58°F to 482°F)
LIGHT GRADE	
Film Thickness	0.015 mm
Typical Surface Finish	2.0 µm
Area covered by 80ml	2.25m ²
Product coverage after drying	2mg/cm ²
MEDIUM GRADE	
Film Thickness	0.03 mm
Typical Surface Finish	3.0 µm
Area covered by 80ml	1.36m ²
Product coverage after drying	4mg/cm ²
HEAVY GRADE	
Film Thickness	0.09 mm
Typical Surface Finish	3.5 µm
Area covered by 80ml	0.67m ²
Product coverage after drying	12mg/cm ²

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According to the
DIN CERTification
✓ product group
✓ Filling for gaskets with 200 + 80 mm
✓ compatible with water (23°C)
✓ description:
Hylomar M (Blue)
Hylomar M (Grey)
Hylomar M (White)

Hylomar Limited, Hylomar House
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United Kingdom
August 23, 2020



Nonfood Compounds
(Category Code - P1)

HYLOMAR®

www.hylomar.com



HYLOMAR UNIVERSAL BLUE

NON-SETTING GASKET + JOINTING COMPOUND

PRODUCT SHEET

Pack sizes – 40g tube (blister card), 40g tube (carton), 100g tube (carton), 350g (cartridge).

Hylomar Universal Blue is a high performance, non-setting gasket and jointing compound. The compound is resistant to a wide range of fluids including:

- + Industrial fluids
- + Oils
- + Petroleum and synthetic diester lubricating oils
- + Gasoline and kerosene
- + Water/glycol and methanol/water mixtures
- + Air
- + Turbine and piston engine combustion products

Typical Applications

- + Inlet manifolds
- + Timing case covers
- + Gearbox and transmission components
- + Thread sealing
- + Water and oil pumps
- + Instrument inspection covers
- + Cylinder heads
- + Flat rigid sumps
- + Most machined surfaces
- + Gas turbines
- + Water cooled generators
- + Turbo vacuum systems



FEATURES

- + Non-hardening and non-setting
- + Non-flammable
- + Unlimited assembly time
- + Wide operating temperature (-50°C to +250°C)
- + Allows metal to metal contact
- + Available as light, medium and heavy viscosity product
- + The non-setting feature allows easy dismantling of components for service and repair work
- + Use as a non-curing thread sealant
- + Resists vibration

TYPICAL PHYSICAL PROPERTIES

Temperature range	-50°C to +250°C (-58°F to 482°F)
LIGHT GRADE	
Film Thickness	0.015 mm
Typical Surface Finish	2.0 µm Ra
Area covered by 100g	1.875m ²
Product coverage after drying	2mg/cm ²
MEDIUM GRADE	
Film Thickness	0.03 mm
Typical Surface Finish	3.0 µm Ra
Area covered by 100g	1.275m ²
Product coverage after drying	4mg/cm ²
HEAVY GRADE	
Film Thickness	0.09 mm
Typical Surface Finish	3.5 µm Ra
Area covered by 100g	0.56m ²
Product coverage after drying	12mg/cm ²

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