

HYLOGRIP HY2170

Description

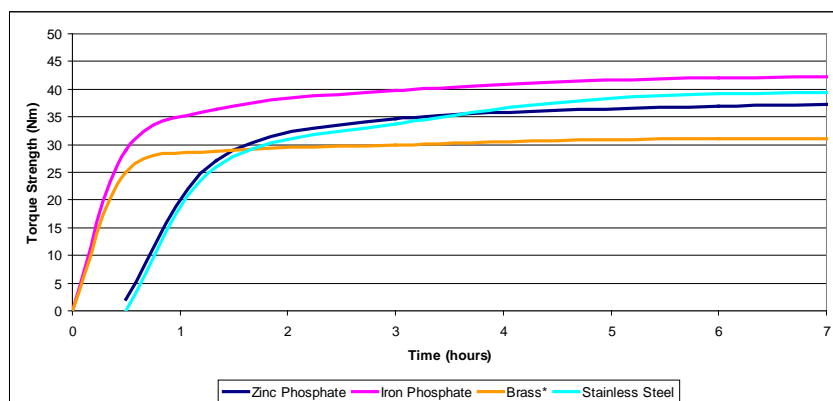
Hylogrip HY2170 is a fast curing, single part anaerobic thread-locker. It is a high strength, low viscosity adhesive suitable for bonding and sealing all threaded metal assemblies. When fully cured it is highly resistant to heat, corrosion, vibrations, water, gases, oils, hydrocarbons and many chemicals.

Typical Properties of Material

Composition	Anaerobic Methacrylate	Flash Point	>100°C
Colour	Dark Green	Solvent Content	0%
Viscosity (Spindle No.5 @10rpm)	Approx. 500cps	Temperature Range	-55 to +150°C
Specific Gravity	1.10g/ml	Max Thread Size	M36

Rate of Cure

The rate of cure will be affected by temperature, the type of substrate and the size of thread. The handling time on M10 bolts at 20°C is 5-10 min and full cure takes approximately 3 hours for most substrates.



Effect of Substrate on Rate of Cure

This graph shows the time taken to reach the maximum torque strength at 20°C on M10 bolts made of various materials. Test performed according to ISO 10964.

*The maximum value for brass is lower than expected due to material failure of the bolt.

Cured Properties

Substrate	Torque Strength (Nm)	Prevail (Nm)
Zinc Phosphate	42	45
Iron Phosphate	45	43
Brass	42	N/A – Substrate failure
Stainless Steel	46	43

Effect of Substrate on Cure Strength

The type of substrate will have an impact on the cured strength of the product. Values obtained using M10 bolts left to cure at 20°C for 24 hours and tested according to ISO 10964.

Effect of Bolt Size on Cure Strength

Values obtained using zinc phosphate bolts left to cure at 20°C for 24 hours and tested according to ISO 10964.

Bolt Size	Torque Strength (Nm)	Prevail (Nm)
M6	3	5
M10	42	45
M16	>80	>80

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	14.07.2014	Page 1 Of 2
	Product name	Hylogrip HY2170 Issue 3	



Instructions for Use

For best results ensure that both surfaces are clean, dry and free from contamination such as oil or grease. Surfaces may be cleaned using Hylomar Cleaner or an equivalent product. Prior to assembly apply sufficient product to fill the threads, put the nut on to the thread and tighten to the desired torque. After tightening any excess Hylogrip HY2170 can be easily wiped away using a cloth soaked in Hylomar Cleaner or a similar product.

Typical applications

Hylogrip HY2170 is a high strength general purpose thread-locking adhesive for use on nuts, bolts, studs and any metal threaded components. Note: if components may require disassembly, use a medium strength thread-locker, such as Hylogrip HY2143.

Handling & Safety Properties

Please refer to the Safety Data Sheet.

Storage

Shelf life is 18 months from date of manufacture when stored below 25°C in original unopened containers. The shelf life will decrease if kept above 25°C or if exposed to direct sunlight.

Packaging

Please contact our sales department for details.

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	14.07.2014	Page 2 Of 2
	Product name	Hylogrip HY2170 Issue 3	