

### HYLOGRIP HY5177

#### Description

Hylogrip HY5177 is a medium strength pipe sealant for metal threads. It is a medium strength, high viscosity adhesive suitable for bonding all threaded metal assemblies. It is particularly useful for the fast sealing of threaded joints in pipe-work, especially where the joint is exposed to vibrations. When fully cured it is highly resistant to heat, corrosion, vibrations, water, gases, brake fluid, oils, hydrocarbons and many chemicals.

#### Typical Properties

Uncured Material	
Class of Locking (DIN 30661)	2 (Medium strength – can be dismantled)
Composition	Anaerobic Methacrylate with PTFE Additives
Colour	Light Yellow
Viscosity (Spindle No.6 @ 2.5rpm) (BS 5350: Part B9)	Approx. 70,000cps
Specific Gravity (ASTM D4659)	1.07
Max Thread Size	M36
Max Gap Filling	0.20mm
Flash Point	>100 <sup>0</sup> C (>212 <sup>0</sup> F)
Solvent Content	0%

Cured Material	
Handling Cure Time (Zinc coated steel)	5-10 min
Functional Cure Time (Zinc coated steel)	1 hour
Full Cure Time (Zinc coated steel)	2-4 hours
Break Loose Torque (DIN 54454) (M10 Zinc phosphate nuts and bolts)	28 N.m
Prevailing Torque (M10 Zinc phosphate nuts and bolts)	7 N.m
Temperature Range	-55 <sup>0</sup> C to 150 <sup>0</sup> C (-67 <sup>0</sup> F to 302 <sup>0</sup> F)

#### 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 Acetone or an equivalent product. Prior to assembly apply

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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	Product name	Hylogrip HY5177 Version 4	

sufficient product to fill the threads, put the nut on to the thread and tighten to the desired torque. After tightening any excess Hylogrip HY5177 can be easily wiped away using a cloth soaked in Acetone or a similar solvent.

### Typical applications

Hylogrip HY5177 is a medium strength, general purpose thread sealing adhesive for use on any metal threaded components, particularly those within pipe-work. HY5177 has a high breakaway torque and a low prevailing torque which prevents the joint becoming loose while allowing for easy assembly and disassembly.

Because the compound cures within the joint, it not only prevents leakage from within the pipe-work, but also excludes the surrounding environment from the joint surface. This helps to reduce the likelihood of crevice corrosion taking place, especially where the joint is immersed in sea water.

### Handling & Safety Properties

Please refer to the Safety Data Sheet.

### Storage

Product should be stored between 5°C (41°F) and 25°C (77°F).

### Packaging

Please contact our sales department for details.

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