

### HYLOGRIP HY5173

#### Description

Hylogrip HY5173 is a formed in place (FIP) single component anaerobic curing flexible sealant, which cures in the joint to form a flexible plastic seal. The product is designed to replace traditional solid gaskets. The thixotropic properties of Hylogrip HY5173 prevent migration of the sealant before or during curing. Once cured the compounds are resistant to shock and vibration from  $-50^{\circ}\text{C}$  to  $150^{\circ}\text{C}$  ( $-58^{\circ}\text{F}$  to  $302^{\circ}\text{F}$ ).

#### Typical Properties

Uncured Material	
Composition	Anaerobic Methacrylate
Colour	Light Green
Viscosity (Spindle No.6 @ 2.5rpm) (BS 5350: Part B8)	100,000cps
Specific Gravity (ASTM D4659)	1.05
Max Gap Filling	0.50mm (if used with primer)
Flash Point	$>100^{\circ}\text{C}$ ( $>212^{\circ}\text{F}$ )
Solvent Content	0%

Cured Material	
Handling Cure Time (Zinc coated seal)	1 hour
Functional Cure Time (Zinc coated seal)	3-6 hours
Full Cure Time (Zinc coated seal)	24 hours
Elasticity	80%
Shear Strength (DIN 54452)	4 – 7 N/mm <sup>2</sup>
Tensile Strength (BS 903: Part A2)	2.5 – 4 N/mm <sup>2</sup>
Shock Strength	2 – 4 N/mm <sup>2</sup>
Temperature Range	$-50^{\circ}\text{C}$ to $150^{\circ}\text{C}$ ( $-58^{\circ}\text{F}$ to $302^{\circ}\text{F}$ )

#### Instructions for Use

Hylogrip HY5173 should be applied to a clean and dry metal surface. The product can be applied by hand however automated application is also widely used via a xy plotter, robot arm or via a silk screen printer. Once applied the joint should be assembled without undue delay. Any excess compound can be easily wiped off external surfaces using a clean cloth soaked in Acetone, or other suitable solvents. If joints are dismantled for service or repairs, the cured product can be

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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easily removed and surfaces cleaned for fresh application by using a clean cloth soaked in Acetone, or other suitable solvents.

### Typical applications

Typical applications include structural gasketing of engines and transmission components and for general engineering uses. Hylogrip HY5173 will seal against gases, water, LPG, hydrocarbons, oils and many other chemicals.

### 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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