



TECHNICAL DATA SHEET

Pipe Seal

ThistleBond 'Pipe Seal' is a high performance sealant designed for locking and sealing pipe threads.

ThistleBond 'Pipe Seal' is based on a specially selected methacrylate resin system reacted with an organic peroxide to produce a rapid curing system with optimum adhesion properties which seals out moisture to prevent corrosion of threads and resists loosening due to vibration.

ThistleBond 'Pipe Seal' is simple, safe and easy to use and when applied to pipe threads it gives an instant low pressure seal which allows systems to be started up without delay, and is therefore ideal for sealing coarse threaded fittings such as sprinkler systems, gas pipes, hydraulic and pneumatic systems etc.

ThistleBond 'Pipe Seal' replaces pipe tapes and dopes and because of its thixotropic nature prevents migration of the product during application. Any excess **ThistleBond 'Pipe Seal'** outside the bond line does not cure and can be flushed through the system without risk of blockage.

Before proceeding, please read the following information carefully to ensure that the correct application procedure is fully understood.

SURFACE PREPARATION

Remove all heavy deposits of grease, oil, dirt and other contaminants by either solvent wiping, cleaning with industrial degreasers or by using hot aqueous baths.

MIXING

ThistleBond 'Pipe Seal' is supplied ready for use and requires no mixing, however shaking the product to incorporate any slight separation is advised before use.

APPLICATION

Apply the **ThistleBond 'Pipe Seal'** directly to the pipe threads in an even film. Assemble with the mating part within the recommended working time.

A small amount of **ThistleBond 'Pipe Seal'** should flow out of the edges to show there is adequate gap filling.

PHYSICAL CONSTANTS

Mixing Ratio Supplied ready for use.

Appearance Thixotropic yellow or white liquid.

Drying and Cure Times at 20°C/68°F

Cure time/Working pressure
 30 mins / 25%, 5 bar
 60 mins/ 50%, 10 bar
 24 hours/ 100%, 25 bar

Volume Solids 100%

V.O.C. Nil

Shelf Life Use within 6 months of purchase. Store in original sealed containers at temperatures between 5°C (40°F) and 30°C (86°F)

PHYSICAL PROPERTIES

Typical Strength Values

Breakloose (M10 mild steel nuts and bolts)	5-10 N.m
Prevail	3-8 N.m
Static Shear	6-10 N.mm (2)

HEALTH AND SAFETY

As long as normal good practices are observed **ThistleBond 'Pipe Seal'** can be safely used.

Safety glasses should be worn.

A fully detailed **Material Safety Data Sheet** is either included with the material or is available on request.

PACKAGING

Supplied in 50 ml units.

The information provided in this Product Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of the company. Users should determine the suitability of the product for their own particular purposes by their own tests. Detailed specifications are available on request from the company.

FOR FURTHER INFORMATION PLEASE CONTACT



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