

# Permabond®

## MH052 Threaded Pipe Sealant

ISO 9001:2015 Certified  
"Our Science ... Your Success"

Permabond MH052 is ideal for the sealing of threaded joints. It is approved for use with gas for working pressure up to 26 bar and also for gaseous oxygen up to 10 bar and 60°C. This has proved exceptional in the medical industry, not only for sealing pipework connections but also for securing calibration spindles on flow regulators and flow meters. MH052 seals against gas, water, LPG, hydrocarbons, oils and other chemicals. Unlike PTFE tape or hemp, Permabond MH052 will not shred or dry out, so it will provide a durable seal, helping to extend the life of the components.

### MH052 Product Data

Appearance	Yellow
Viscosity @ 25°C	2rpm: 65,000 mPa.s 20rpm: 25,000 mPa.s Thixotropic
Maximum Gap Fill	0.5mm
Maximum Thread Size	M56 (2 inches)
Handling Time (M10 steel)	15 minutes @23°C
Working Strength (M10 steel)	1-3 hours
Torque Strength (M10 steel)	Breakaway: 20 N·m Prevail: 11 N·m
Shear Strength (steel)	10 MPa
Service Temperature	-55 to +150°C
Packaging	10 x 50ml oval tubes
	10 x 75ml accordions
	5 x 200ml bottles
	10 x 300ml cartridges
Storage	5-25°C



Distributor Stamp

For full technical information, please refer to product data sheet

### Permabond® MH052 Features & Benefits

- Helps lubricate threaded joints, making the assembly process a lot easier
- Easy to see if coverage / seal is complete
- Seals to burst rating of the pipe
- Low pressure instant seal
- WRAS, DVGW and BAM Approved
- Reliable cure on stainless steel and when applied at low temperatures
- Will not shred, dry out or degrade so will not damage or block valves
- Rapid cure on stainless steel
- Easy to use - single part, no mixing
- Good resistance to pressurised oxygen

### Typical Areas for Use:

Aircraft Air Supply

Bottled Gas

Compressors

Gas Burners

Gas Pipelines

Hot Water Tanks

Oxygen Pipelines

Plumbing

Pneumatics

Pumps

Regulators

Respirators

Sprinklers

Taps

Valves

Ventilators

Welding Equipment



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