Permabond®
Engineering Adhesives

PFAS-FREE PIPE SEALANT - LH055



Permabond LH055 is an anaerobic pipe thread sealant that provides reliable sealing of metal threaded joints while allowing easy disassembly for future maintenance.

With low breakaway torque, LH055 secures threaded fittings without causing them to seize, meaning joints can be undone without excessive force or heat when servicing is required.

Formulated without PFAS or solvents, Permabond LH055 offers a more environmentally responsible alternative to many traditional thread sealing methods, including PTFE tape and PTFE-filled sealants. It provides complete coverage and a consistent seal even on fine or close tolerance threads.

As a single-component anaerobic adhesive, LH055 cures in the absence of air between metal surfaces to form a durable seal with good chemical resistance. Suitable for use on a variety of metals including steel and brass, it is ideal for plumbing systems, cooling circuits, pumps, valves and other threaded pipe connections requiring dependable sealing and straightforward maintenance. LH055 has been third-party approved for both gas and drinking water applications.







KEY FEATURES:

- PFAS-free
- Low breakaway torque allows easy disassembly of threaded joints
- Helps prevent thread seizure - makes future maintenance easier
- Lubricates threads for easy assembly with less chance of cross-threading
- DVGW Gas Approval
- KTW-BWGL Drinking Water Compliant
- WRAS Drinking Water Approval
- Bonds a variety of metals
- Suitable for demanding industrial and plumbing environments
- No loose particles to block valves

IDEAL FOR BONDING:

- Black iron
- Brass
- Copper
- Galvanised steel
- Stainless steel
- *Other plumbing metals*!

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DESCRIPTION

The following technical data for Permabond LH055 is a guideline and does not constitute a specification. For full technical information, please refer to the technical data sheet, available at permabond.com. Please contact Permabond to discuss your bonding project.

	LH055
Description	Low strength pipe sealant
Appearance	White
Features	PFAS-free, ideal for later servicing of pipe joints
Viscosity @25°C (77°F)	25,000 (mPa.s) cP
Max gap fill	0.5mm (0.02 in)
Max thread size	M56 (2 in)
Shear strength (Steel collar & pin ISO 10123)	5 MPa (725 psi)
Handling strength (M10 zinc) @23°C/73°F	30 minutes
Full strength (M10 zinc) @23°C/73°F	24 hours
Service temperature	-55 to 150°C (-65 to 300°F)
Storage temperature	5 to 25°C (41 to 77°F)
Packaging	50ml & 250ml tubes

What are PFAS?

PFAS (per- and polyfluoroalkyl substances) are a group of man-made chemicals valued for their resistance to heat, chemicals, and moisture. They can enhance the durability and performance of adhesive products. However, they are highly persistent in the environment (known as 'forever chemicals') and can be harmful to human health, leading to increasing legal scrutiny and demand for PFAS-free adhesive alternatives, such as Permabond LH055. PFAS-free LH055 is ideal for replacing PFAS-containing PTFE Tape!

PFAS FREE

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