



Permapipe

PRE-INSULATED PIPE

UNDERGROUND

Ensure efficiency, longevity and safety with Permapipe's range of underground pre-insulated piping systems.

Designed for district heating and cooling systems requiring buried pipe runs of hot or cold fluids, gas, steam and other mediums, our quality guaranteed underground pre-insulated piping systems are delivered custom made and ready to install. We can provide kit sets for all bends, tees, reducers and straight joints or alternatively, all fittings can be factory insulated, leaving only straight joints to be reinstated on-site.

A range of protective outer casings is available, ensuring the carrier pipe remains adequately protected throughout manufacture, transport, installation and ultimately, for the operating life of the system.

We use trained specialists and state-of-the-art single shot polyurethane injection equipment, guaranteeing a consistent fill factor to keep heat loss and/or gain to an absolute minimum.

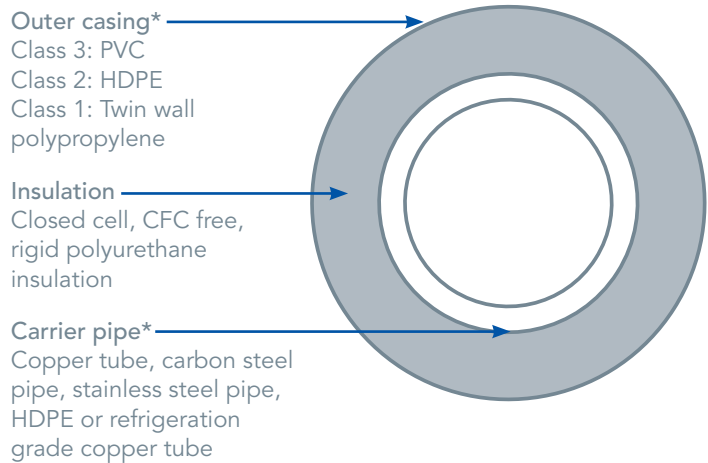
Permapipe's dedicated research and development division ensures continuing advances in system efficiencies, and rigorous testing provides confidence in the reliability and safety of our systems.

Polyurethane's low thermal conductivity and closed cell composition, with zero ODP (Ozone Depletion Potential) and zero VOC (Volatile Organic Compound), make Permapipe's underground pre-insulated piping systems the most energy efficient and sustainable solution for your project.

Choose Permapipe's underground pre-insulated piping systems for optimum performance even in the most demanding applications.

Material	Carrier pipe and outer casing to client specification incorporating closed cell polyurethane foam insulation
Application	Underground pre-insulated pipe
Density	45kg/m ³ nominal
Moisture absorption	<5% by volume
Thermal conductivity	0.022 W/mk (+/-0.002)
R-value at 50mm*	R2.27
Constant working temperature	-30°C to +100°C
Compressive strength	270 kPa

*R-value stated is for flat surfaces. R-values for curved surfaces vary depending on the surface diameter. Please contact Permapipe Systems for further information.



*Other materials and systems are available upon request



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Quality Certified Company



AS/NZS ISO 9001:2008
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