

Permashield

POLYURETHANE INSULATION



Permapipe's Permashield polyurethane insulation (SPI) offers exceptional thermal insulation and condensation control.

Achieving higher R-values with less wall thickness, Permashield is a lightweight, energy-efficient and sustainable alternative to traditional insulation systems.

Low thermal conductivity minimises the potential for heat gain or loss, ensuring maximum efficiency.

Choose Permashield for optimum performance even in the most demanding applications.

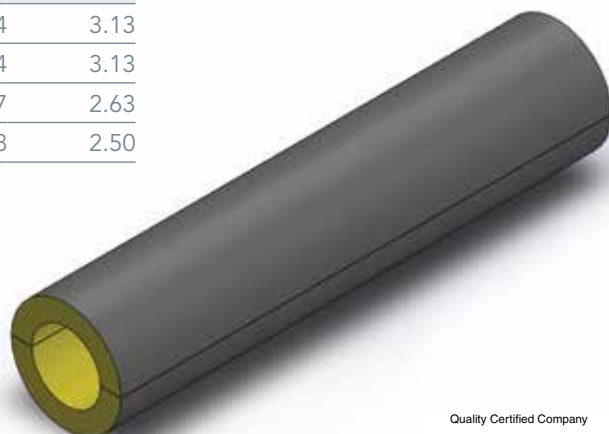
Insulation Comparison Chart

Insulation	K Factor @ 20°C	R Value @ 25mm	R Value @ 38mm	R Value @ 50mm	R Value @ 63mm	R Value @ 75mm	R Value @ 100mm
Permashield SPI	0.021	1.19	1.81	2.38	3.00	3.57	4.76
Polyolefin	0.032	0.78	1.19	1.56	1.97	2.34	3.13
Fibreglass	0.032	0.78	1.19	1.56	1.97	2.34	3.13
Polystyrene	0.038	0.66	1.00	1.32	1.66	1.97	2.63
Elastomeric foam	0.040	0.63	0.95	1.25	1.58	1.88	2.50

- ✓ High R-values with less wall thickness
- ✓ Strong vapour barrier
- ✓ Closed cell structure

Material	Closed cell polyurethane foam
Application	Pipe insulation
Density	40 kg/m ³ nominal
Moisture absorption	<5% by volume
Thermal conductivity	0.021 W/mk (+/-0.002)
R-value at 50mm*	R2.38
Constant working temperature	-30°C to +100°C
Compressive strength	240 kPa
Fire performance	Conforms to AS/NZS 1530.3

*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.



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Quality Certified Company



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