



Contact Info: Office: +61 3 9720 9595

Website: insulock.com.au

email: sales@insulock.com.au

Polyethylene Insulation



Insulock supplies & recommends Australian made Polyethylene Insulation where suitable as the ideal insulation to use in conjunction with Insulock PVC cladding. Combining the two products creates a complete off the shelf, easy to install, UV resistant vapour sealed insulation system.

Polyethylene consists of a closed cell foam insulation with a thermally bonded foil outer layer. Each two metre section is pre-slit which allows easy installation over the pipe. Insulock can supply manufactured polyethylene elbows and tees to ensure an expertly installed insulation job. All Insulock polyethylene fittings are cut to fit exactly under their PVC cladding counterparts creating a seamless insulation system.

Polyethylene will not absorb water should condensation occur. It will not compress during the life of the installation. Polyethylene does not emit dust or fibre and will not cause itchiness, so no special gloves or masks are required. The robust nature of the foam and foil ensures that a sharp long blade knife is all that is needed to create a neat accurate cut.

Polyethylene is available in all common sizes available for Copper, Steel and Plastic and has various wall thickness from 10mm to 50mm.

FM Approval Class: 4924

Complying with the BCA & Australian Standards

- AS1530.3 with the following results:

Ignitability Index	0	(0-20)
Spread of flame Index	0	(0-10)
Heat evolved Index	0	(0-10)
Smoked evolved Index	0	(0-10)

- BCA 2006 & AS/NZS 4859.1 specified R values for insulation of pipes.
- AS/NZS 3500.4, which states all insulation exposed to the weather should be "of a weather resistant type or surrounded by a weather resistant covering."

Technical Data:

Material	Cross linked closed cell polyethylene foam
Density	25kg/m ³
Operating Temperature	-40°C to 105°C
Thermal Conductivity	0.038 W/m.K @ 23°C (ASTM C177)
Water Vapour Transmission	0.05g/hr.m ² .(9.54 x 10 ⁻⁸ g/Pa.m ² .s) (ASTM E96)
Resistance to Mould	Excellent
Resistance to Ozone	Excellent

The figures contained in this brochure are not standard but merely representative values from tests KSM3014. Insulock and the manufacturer makes no warranty or recommendations as the use of Polyethylene SPI Insulation for a particular purpose. Further, data contained herein are typically laboratory results only and do not represent a guarantee of performance in any application. It is the customers responsibility to satisfy themselves that the product is fit for the purpose for which they intend to use it.

INSULOCK PTY LTD: 2/17 Newcastle Rd, Bayswater. Victoria. 3153

