

Thermal Reflective Insulation

ESS100

Thermal Reflective Insulation helps to keep the water in the pipework cooler, providing an essential protection from the elements for emergency showers and eye washes in hot climate locations.

KEY FEATURES

- Completely closed cell, physically cross-linked foam pipe insulation
- Heat bonded factory applied reinforced aluminium foil
- 15mm wall thickness
- Superior insulating properties
- Flexible, tough and durable
- No cladding required
- Anti-Microbial
- Can be used outdoors
- Tested in accordance with AS/NZS 4859.1
- Premium reinforced aluminium foil tape for joining overlaps on insulation tubes



PRODUCT CODES

ESS100	Thermal Reflective Insulation (Fitted)
ESS101	Aluminised Tape for Insulation (5m Roll)
ESS102	Thermal Reflective Insulation Tubing – 2m

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TECHNICAL INFORMATION

Thermal Reflective Insulation Tube	
Material	Physically crosslinked closed cell polyolefin foam with factory applied reinforced aluminium foil (tested in accordance with AS/NZS 4859.1)
Wall Thickness	15mm
Density	25kg/m ³ (foam core only)
Thermal Conductivity	0.032 W/m.°K (@23°C mean temperature) (AS/NZS 4859.1)
Water Vapour Permeability	2.3 x 10 ⁻¹⁵ kg/Pa.s.m (ASTM E96)
Water Absorption	Non hygroscopic
Resistance to Fungi	Zero Growth (ASTM G21)
Minimum Service Temperature	-80°C
Maximum Service Temperature	+100°C
Ozone Resistance	Excellent
UV Resistance	Excellent
Fire Performance	Thermobreak® Tube complies with NCC Specification C1.10 Fire Hazard Properties for insulation materials used in Class 2 - 9 buildings. Minimum Early Fire Hazard properties of the insulation when tested in accordance to AS1530.3: Ignitability Index: 0; Spread of flame: 0; Heat evolved Index: 0; Smoke Development Index: 0 - 1
Aluminium Foil Tape	
Backing	Laminated polyethylene film Polyethylene fibre mesh Aluminium foil
Tensile Strength	100 N / 25mm
Adhesive Type	Synthetic rubber / resin
Adhesion to Steel	20 N / 25mm
Elongation at Break	25%
Total Thickness Without Liner	205 microns (µm)
Temperature Range	-15°C up to 65°C



Enware Australia advises:

1. Due to ongoing Research and Development, specifications may change without notice. 2. Component specifications may change on some export models. 3. Refer to warranty statement for warranty details - www.enware.com.au/warranty

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