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# DryFoil

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## **Vapour Barrier Membrane**

- Helps to prevent Corrosion under Insulation (C.U.I.)
- Multi-layer construction of aluminium and PET foil
- Excellent vapour barrier properties
- Outstanding mechanical characteristics
- Suited for outdoor use

## DryFoil

DryFoil is a three layer lamination of 12 $\mu$  polyester film / 25 $\mu$  aluminium foil / 12 $\mu$  polyester film. Used as a facing over insulation board, segments, pipe sections, etc.. Primarily used in cold/cryogenic insulation systems, to prevent the ingress of moisture into the insulation. DryFoil combines the excellent vapour barrier properties of aluminium with the outstanding mechanical and thermal characteristics of polyester film, giving an ideal, flexible and efficient barrier material, suitable for outdoor use.

Physical properties	
Construction	12 $\mu$ PET / 25 $\mu$ Alu / 12 $\mu$ PET
Service temperature	-80 / +150°C
Melting point (polyester)	+250°C
Weight	106 gr/m <sup>2</sup>
Specific gravity	2.2 kg/dm <sup>3</sup>
Vapour permeability	0.000001 g/m <sup>2</sup> .h.mmHg
Humidity absorption	<0.3 %
Tensile strength (ASTM D 882)	MD $\geq$ 100 N/mm
Elongation	54 – 58 %

## DryFoil Tape

DryFoil Tape has a solvent-based acrylic adhesive with the excellent vapour barrier properties of aluminium foil and outstanding physical and chemical characteristics of polyester film to seal the joints of vapour foil on insulation board or as a wrap-around protective barrier on insulated pipes and vessels.

Physical properties	
Construction	12 $\mu$ PET / 25 $\mu$ Alu / 12 $\mu$ PET + acrylic adhesive + silicon released paper
Service temperature	-80 / +150°C
Melting point (polyester)	250°C
Vapour permeability	0.000001 g/m <sup>2</sup> .h.mmHg
Elongation	54-58 %
Tensile strength	116 Mpa
Break strength	65 N / 10 mm
Adhesive Power	17.50 kg/25 mm