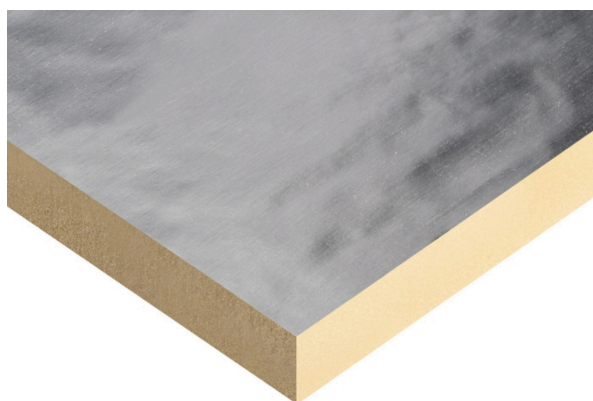


Product Description

KoalaKool Foil is a high performance fibre-free rigid thermoset polyisocyanurate (PIR) insulation core, manufactured with a foil faced on both sides with a low emissivity composite foil bonded to the insulation core during manufacture.

Product Data	
Thermal Conductivity (λ - value)	0.022 W/mK
Product Dimensions	2270 mm x 1200 mm (2.72 m ²)
Product Thickness (mm)	30, 40, 50, 60, 70, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 150



High performance foil faced KoalaKool

Product R-Value

Product Thickness (mm)	Product R- Value
30	1.4
40	1.8
50	2.3
60	2.7
70	3.2
80	3.6

85	3.9
90	4.1
95	4.3
100	4.5
105	4.8
110	5.0
115	5.2
120	5.5
125	5.7

Specification Guide

The roof insulation KoalaKool Foil comprises of a CFC/HCFC-free and zero Ozone Depletion Potential (ODP) rigid thermoset insulation core with composite foil facings on both sides, manufactured under a management system certified to BS / I.S. EN ISO 9001:2008, BS / I.S. EN ISO 14001:2004 and BS / I.S. OHSAS 18001:2007 by Fatra Australia Pty Limited and shall be installed in accordance with the instructions issued by them.

Tapered Roofing

KoalaKool Foil is also available in tapered versions and come with a supporting design service. This ensures that the most cost-effective solution for a roof is identified and that the end result is a tapered system design which meets a roofs rainwater run-off and insulation requirements.

Spanning on Metal Decks

The designer's attention is drawn to the requirement that insulation boards are of the minimum thicknesses shown in the table below, when used over metal decks with trough openings as shown.

Trough Opening (mm)	Minimum Insulant Thickness (mm)
≤75	25
76-100	30
101- 125	35
126 - 150	40
151 - 175	45
176 - 200	50
201 - 225	55
226 - 250	60

Standards and Approvals

KoalaKool Foil is manufactured to the highest standards and certified under the following management systems:

Standard	Management System
BS / I.S. EN ISO 9001:2008	Quality Management
BS / I.S. EN ISO 14001:2004	Environmental Management
BS / I.S. OHSAS 18001:2007	Health and Safety Management

KoalaKool Foil is also manufactured to the highest standards in accordance with the requirements of:

Requirement	Rigid polyisocyanurate (PIR) and polyurethane (PUR) products for building end-use applications
BS4841-4	Specification for laminated boards (roofboards) with auto-adhesively or separately bonded facings for use as roofboard thermal insulation under single-ply roofing membranes

Product Testing

Characteristic	Standard	Result
Compressive Strength	AS 2498.3	Typically exceeds 150 kPa at 10% compression
Water Vapour Resistance	AS 2498.5	> 100 MN·s/g

Fire Performance

KoalaKool Foil when subjected to the British Standard fire test specified in the table below, will achieve the result shown, when waterproofed with a single-ply waterproofing membrane.

Test	Result
BS 476-3: 2004 (External fire exposure roof test)	Dependent on single-ply membrane adopted