

TECHNICAL DATA SHEET

Product: Alreflex Raftertherm Type A
Issue Number: 02
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Product Information

Description

Alreflex Raftertherm Type A is a rigid, graphite-injected, expanded polystyrene board; laminated with a single layer of polythene bubble sheet, faced with low-emissive aluminium foil protected by a thin NC coating.

Application

Thermal insulation for use between and below roof rafters in unventilated pitched roof constructions.

Appearance & Packaging

Supplied in boards, stock sizes (*other sizes available on request*):

0.60m x 1.2m;

Physical Properties

Depth	: 25mm – 100mm in 5mm increments.	
Density	: 13 – 15 kg/m ³	(BS EN 13163)
Bending Strength	: 100 kPa	(BS EN 13163)
1% Compressive Strength	: 13 kPa	(BS EN 13163)
Compressive Stress	: 60 kPa at 10% deformation	(BS EN 13163)
Reaction to Fire (EPS)	: Euroclass E	(BS EN 13163)

Water Vapour Resistance of bubble/foil	: 125MN · s/g	(BBA Certificate No. 93/2861)
Water Vapour Resistance of EPS	: 60MN · s/g	(BBA Certificate No. 93/2861)
Water Vapour Permeability of EPS	: 0.018 – 0.036 mg/Pa · h · m	
Vapour Diffusion Factor (μ)	: 20 – 40	(BS EN 13163)

If you require any further technical information please contact our Technical Department on 01582 544255.

Thermal Performance

Foil Emissivity	: 0.03	(BBA Certificate No. 93/2861)
Resistance of bubble/foil	: $0.10\text{m}^2 \cdot \text{K/W}$	(BBA Certificate No. 93/2861)
Thermal Conductivity of EPS (λ)	: $0.030 \text{ W/m} \cdot \text{K}$	(BS EN 13163)

Environmental Data

Alreflex Raftertherm is recyclable.

Global Warming Potential : <5

Ozone Depletion Potential : 0