

## TECHNICAL DATA SHEET

Product: Alreflex Ultratherm Dry Lining Board  
Issue Number: 004  
Issue Date: May 2025

### Product Information

#### **Description**

Alreflex Ultratherm is a rigid, polyisocyanurate (PIR) foam board; laminated with a single layer of Alreflex 1L1 polythene bubble sheet, faced with low-emissive aluminium foil protected by a thin NC coating. Alreflex Ultratherm can be sealed with Thermal Economics Alu Tape to form a vapour barrier.

#### **Application**

Dry lining insulation for use in wall constructions.

#### **Appearance & Packaging**

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

0.6m x 1.2m or 1.2m x 2.4m

#### **Physical Properties**

Thickness	: 20mm – 140mm	
Density	: 30 kg/m <sup>3</sup>	(BS EN 13163)
Compressive Strength	: 120 kPa (@ 10% compression)	(BS EN 826)
Water Vapour Resistance of bubble/foil	: 150MN · s/g	(BBA Certificate No. 93/2861)
Water Vapour Resistance of PIR	: 100MN · s/g	(BBA Certificate No. 93/2861)

#### **Thermal Performance**

Foil Emissivity	: 0.05	(BBA Certificate No. 93/2861)
Resistance of (min) 20mm residual cavity	: 0.67m <sup>2</sup> · K/W	(BBA Certificate No. 93/2861)
Resistance of bubble/foil	: 0.10m <sup>2</sup> · K/W	(BBA Certificate No. 93/2861)
Thermal Conductivity of PIR ( $\lambda$ )	: 0.022 W/m · K	(BS EN 13163)

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

## **Environmental Data**

BRE Green Guide Rating : A+

Global Warming Potential : < 5

Ozone Depletion Potential : 0