

## TECHNICAL DATA SHEET

Product: Alreflex Ultratherm Dry Lining Board  
Issue Number: 002  
Issue Date: Jan 2015

### 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

#### **Physical Properties**

Thickness	: 20mm – 140mm	
Density	: 30 kg/m <sup>3</sup>	(BS EN 13163)
Compressive Strength	: 120 kPa (@ 10% compression)	(BS EN 826)
Surface Flame Spread of bubble/foil	: Class 0	(BS 476-7)
Surface Flame Spread of PIR (25-90mm):	Class 1	(BS 476-7)
Water Vapour Resistance of bubble/foil	: 125MN · s/g	(BBA Certificate No. 93/2861)
Water Vapour Resistance of PIR	: 100MN · s/g	(BBA Certificate No. 93/2861)

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 (min) 20mm residual cavity	: $0.71\text{m}^2 \cdot \text{K/W}$	(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 PIR ( $\lambda$ )	: $0.022 \text{ W/m} \cdot \text{K}$	(BS EN 13163)

## **Environmental Data**

BRE Green Guide Rating	: A+
Global Warming Potential	: < 5
Ozone Depletion Potential	: 0