



LAMBDABOARD

HOTLINE

0860 INSUL 8

0860 46785 8

Description

LAMBDABOARD is a flexible faced Polyisocyanurate (PIR) insulation board made on a continuous laminator. The polyisocyanurate cored insulation uses a hydrocarbon-based blowing agent which has zero Ozone Depletion Potential (ODP) and complies with Kyoto Protocol regarding Global Warming Potential (GWP). LAMBDABOARD insulation is the answer to HCFC and HFC free insulation.

- Recyclable
- Environmental "green" choice
- Highest stable R-value per 25mm of thickness
- Moisture resistant, water repellent
- Resistant to solvents used in construction adhesives
- Excellent dimensional stability
- Superior performance in fire tests
- Service temperature range from -30°C to 140°C
- Thermoset material does not soften or melt
- High compressive strength

There are numerous ways to install Lambdaboard

- Over purlin
- Vertical cladding
- Under screed
- Cavity wall
- Curtain wall / Spandrel panel
- Ceilings
- Under soffit
- Ducting

Benefits



Environmentally Friendly

Environmental "green" choice.



Stable R-value

Highest stable R-value per 25mm of thickness.



Moisture Resistant

Moisture resistant, water repellent.



Stability

Excellent dimensional stability.



Service Temperature

Service temperature range from -30°C to 140°C.



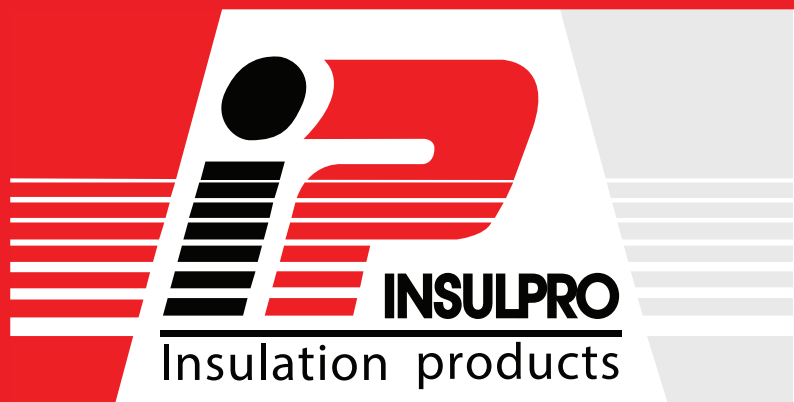
Performance

Superior performance in fire tests.

Applications

- Cavity Wall Footing Insulation
- Cavity Wall Footing Insulation - Wall Tie
- Cold Deck Installation
- Lambdaboard Between Purlins
- Lambdaboard To Galvanised Steel Battens
- Nail Up Ceiling Application
- Over Purlin Insulation
- Over Roof Capping Insulation
- Suspended Ceiling Installation Guide
- Warm Deck Installation Guide





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Technical Specifications

FACING:

Matt mineral coated fiberglass tissue, clear polyethylene coated fiberglass tissue, aluminium scrim reinforced, white washable coated fiberglass tissue, 60 micron embossed aluminium, bitumised kraft.

DENSITY:

Minimum of 34kg/m³ foam core, overall 40kg/m³
THERMAL CONDUCTIVITY: 0.024(W/m.K) @22°C mean temperature, aged

DIMENSIONS:

20mm to 150mm in thickness, 1220mm width. Length cut to size to maximum of 13500m

TEMPERATURE RANGE:

- 30°C to 140°C

CLOSED CELL CONTENT:

> 95%

FIRE PROPERTIES:

SANS 428, B/B1/2/H&V - with and without sprinklers

TOXICITY:

Can be used in confined areas, as tested in accordance to NES 713

MOISTURE ABSORPTION:

< 3% as tested in accordance with SABS 1381-1

Installation

- Over purlin
- Vertical cladding
- Under screed
- Cavity wall
- Curtain wall
- Ceilings
- Under soffit
- Ducting

Take Control Of Your Energy Costs

- Lambdaboard, is a unique solution to the current energy crisis.
- Lambdaboard is capable of reducing operational heating and cooling costs resulting in positive environmental and climate change consequences.

R-Value Performance

LAMBDABOARD has the highest R-value per 25mm thickness, therefore the design U-value of the insulation system can be achieved with a minimum thickness. This in turn allows the overall footprint of the building to decrease and reduces the cost of construction.

Thickness(mm)	R Value (m ² .K/W)
20	0.83
25	1.04
30	1.25
40	1.67
50	2.08
60	2.50
80	3.33
100	4.17

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