



LAMBDABOARD[®]
THE BETTER THERMAL INSULATION



01

Pro

Professional's
Choice

02

Ho

Home Owner's
Choice

LAMBDABOARD[®]

OVER PURLIN INSULATION

For the most economical installation, LAMBDABOARD[®] should be installed above the purlins and below the roof sheeting. Based on 25 mm board, LAMBDABOARD[®] can span up to 1800 mm without support on the longitudinal joints.

For best performance, it is recommended that LAMBDABOARD[®] lengths be ordered to span across a minimum of 3 purlin spacings and the roof sheeting is fixed in accordance with the manufacturers specifications. To prevent 'deflection' in purlin spacings above the maximum spanability, it is recommended that H or T-sections be used. When using H or T-sections, the sections should be pop-riveted to the purlin to keep them secure.



OVER PURLIN INSULATION

EXCELLENT DIMENSIONAL STABILITY

LAMBDABOARD® is thermoset foam with high compressive strength and excellent dimensional stability, thus, LAMBABOARD is able to sustain a continuation range of -30° C to 120° C without displaying any longterm creep or deformation characteristics.

R-VALUE PERFORMANCE

LAMBDABOARD® has the highest R-Value per thickness, therefore the design U-Value of the roof insulation system can be achieved with a minimum thickness of insulation. This in turn allows the overall footprint of the building to decrease and reduces the cost of construction. Additionally, the thinner insulation helps the mechanical strength and design of the roof structure.

SPANNING CAPABILITY

With thicker boards, a longitudinal support is required. Figures based on 3 purlin spacings and more with no longitudinal support. (Weight of roof sheeting not taken into account).

Thickness	R-Value (km ² /W)	Span	T-Sections Support Required
25 mm	1.04	1 800 mm	No
30 mm	1.25	1 800 mm	No
40 mm	1.67	1 800 mm	No
50 mm	2.08	1 800 mm	No
60 mm	2.50	1 800 mm	No
70 mm	2.92	1 800 mm	No
80 mm	3.33	1 800 mm	No
90 mm	3.75	1 800 mm	No
100 mm	4.17	1 800 mm	No

It is advised that spans over 1800 mm do require the usage of H/T sections

SPECIFICATION FOR BOQ

LAMBDABOARD® is a laminated polyisocyanurate core board with a minimum core density of 34kg/m³, a minimum thickness of ____ mm; faced with ____ with a ____ (km²/W) R-Value. Finish shall be white mineral and natural mineral and laminated on each side. LAMBDABOARD® to be installed above purlin and in conjunction with roof cover in accordance with manufacturers specifications.

ENERGY SAVING

With a rational design

LOW MAINTENANCE

Thickness: 25 mm to 100 mm

Width: 1220 mm

Length: Cut to size
Minimum: 1350 mm

MOISTURE RESISTANCE

Less than 3% as tested in accordance SABS 1381-1

FIRE PROPERTIES

SANS 428 - B/B1/2/H&V.

Fire-rated only on white mineral facing.

Will not melt, drip or propagate flame.



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Members of:

Proudly produced by:

DISAVOWAL: The customer acknowledges and understands that after delivery, the goods will have left the control of Rigifoam (Pty) Ltd, and that the customer will be responsible for the unpacking of and connection/installation of the goods. The customer acknowledges that it is his/her further responsibility to ensure that a fully qualified and competent person is used to install the goods to ensure their effective operation. Failure by the customer to ensure the installation of the goods, according to the written instructions of the manufacturer and/or supplier, by a fully qualified and competent person, may result in the failure of the goods, injury, loss or damages to the customer. Accordingly, and in this event, Rigifoam (Pty) Ltd accepts no responsibility for any loss or damages that might arise by reason of death or personal injury to any person engaged in the installation or use of the goods thereafter, subject to the provisions of the Consumer Protection Act 68 of 2008.