

# TECHNICAL DATA SHEET

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# LAMBDA GUARD HD



**LAMBDA GUARD** is a high density closed-cell thermosetting polyisocyanurate (Polyiso) foam core integrally bonded to mineral coated facings on both sides. Zero Ozone Depletion Potential (ODP) and <1 Global Warming Potential (GWP). **LAMBDA GUARD HD** delivers an R-value of 0.45 on a 12.5mm thick board.

## APPLICATION

A lightweight composite alternative for protective layers/substrate in the building envelope. Typical applications include inverted roof and hot deck installations. Compatible with liquid waterproofing or bitumen/EPDM systems. Can be used as a core in high strength composite panels.

## PHYSICAL PROPERTIES

<b>THERMAL PROPERTIES</b>	$\lambda$ Lambda value 0.028 W/m.K @ 22° C mean, aged-tested in accordance with ASTM C518
<b>DENSITY</b>	Minimum of 70 Kg/m <sup>3</sup> foam core
<b>COMPRESSIVE STRENGTH</b>	650 KPA
<b>WEIGHT</b>	1.576 Kg/m <sup>2</sup> (12.5 mm thick)
<b>WATER ABSORPTION</b>	Zero (closed-cell)
<b>TEMPERATURE RANGE</b>	-60° C to 120° C with no physical property degradation
<b>THICKNESS</b>	12.5 mm
<b>PACK SIZE</b>	Bundles of 10 x 2 440 mm x 1 200 mm
<b>WIDTH</b>	1 220 mm
<b>THICKNESS TOLERANCE</b>	± 2 mm
<b>COMMON BUILDING CHEMICAL RESISTANCE</b>	Alkaline, Solvents, Paints, resistant to VOC's

## HANDLING AND STORAGE

**LAMBDA GUARD HD** insulation boards are wrapped in branded plastic packaging for delivery to site. Keep away from direct sun light. Boards must be stored on a flat surface, under cover and away from the elements.

Learn more at: [www.lambdaboard.co.za](http://www.lambdaboard.co.za)

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