

# TECHNICAL DATA SHEET

January 2025, Issue 1



**LAMBDA CORE** is a closed-cell thermosetting polyisocyanurate (polyiso) foam core, integrally bonded to inorganic coated glass tissue facers on both sides. These boards have a Zero Ozone Depletion Potential (ODP) and <1 Global Warming Potential (GWP).

**Available in 25 mm to 100 mm thickness, 1 220 mm wide; offered in various lengths.**

## APPLICATION:

Laminating on a continuous or discontinuous line for thermal insulation panels, where optimal thermal and fire performance is required in the built environment.

## PHYSICAL PROPERTIES

<b>THERMAL CONDUCTIVITY</b>	$\lambda$ Lambda value 0.024 W/m.K @22° C mean, aged-tested in accordance with ASTM C518
<b>DENSITY</b>	Overall density 40 Kg/m <sup>3</sup>
<b>WATER ABSORPTION</b>	Zero (Below ambient temperature ranges a vapour barrier is recommended)
<b>TEMPERATURE RANGE</b>	-60° C to 120° C with no physical property degradation
<b>THICKNESS</b>	25 mm to 100 mm
<b>WIDTH</b>	1 220 mm
<b>THICKNESS TOLERANCE</b>	± 2 mm
<b>COMMON BUILDING CHEMICAL RESISTANCE</b>	Alkaline, Solvents and Paints
<b>TOXICITY</b>	NES 713 (Report available on request)
<b>ADHESIVE RECOMMENDED</b>	Polyurethane-based systems preferred

## HANDLING AND STORAGE

**LAMBDA CORE** insulation boards are delivered wrapped in branded plastic packaging and to be stored on a flat surface away from the elements.

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

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