TECHNICAL DATA SHEET

January 2025, Issue 1

LAMBDACORE

LAMBDACORE 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

THERMAL CONDUCTIVITY	λ Lambda value 0.024 W/m.K @22° C mean, aged-tested in accordance with ASTM C518
DENSITY	Overall density 40 Kg/m³
WATER ABSORPTION	Zero (Below ambient temperature ranges a vapour barrier is recommended)
TEMPERATURE RANGE	-60° C to 120° C with no physical property degradation
THICKNESS	25 mm to 100 mm
WIDTH	1 220 mm
THICKNESS TOLERANCE	± 2 mm
COMMON BUILDING CHEMICAL RESISTANCE	Alkaline, Solvents and Paints
TOXICITY	NES 713 (Report available on request)
ADHESIVE RECOMMENDED	Polyurethane-based systems preferred

HANDLING AND STORAGE

LAMBDACORE 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

PROUD MEMBERS OF:

PIMA POLYISOCYANURATE INSULATION MANUFACTURERS ASSOCIATION

PROUDLY MANUFACTURED BY:

RIGIFoam (Pty) Ltd SUPERIOR PRODUCTS