

TECHNICAL DATA SHEET

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LAMBDA SLAB is a closed-cell thermosetting polyisocyanurate (Polyiso) foam core integrally bonded to suitable facers on both sides. 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:

Under slab insulation for temperature-controlled environments in the cold chain as per the engineer's specification for improved thermal performance and limited thermal bridging.

PHYSICAL PROPERTIES

THERMAL CONDUCTIVITY	λ Lambda value 0.024 (W/m.K) @ 22°C mean aged - tested in accordance with ASTM C518
DENSITY	Typical Core density 32 kg/m ³ - Higher density Available up to 80kg/ m ³
WATER ABSORPTION	Zero (Below ambient temperature ranges a vapour barrier is recommended)
TEMPERATURE RANGE	-60°C to 120°C with no physical property degradation. Temperature compatibly with under floor heating systems
THICKNESS	25 mm to 100 mm, double layer staggered joints over 50mm recommended
WIDTH	1 220 mm
COMMON BUILDING CHEMICAL RESISTANCE	Alkaline, Solvents and Paints

HANDLING AND STORAGE

LAMBDA SLAB 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

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