

TECHNICAL DATA SHEET

October 2025, Issue 3



DECOBOARD™



DECOBOARD™ is a decorative tongue and groove insulation board comprised of closed-cell thermosetting polyisocyanurate (Polyiso/PIR) foam core with integrally bonded inorganic facers on both sides. Blowing agent has Zero Ozone Depletion Potential (ODP) and <1 Global Warming Potential (GWP).

APPLICATION

Ceiling applications, between and above truss.

PHYSICAL PROPERTIES

CATEGORY	PHYSICAL PROPERTIES	TEST METHOD
THERMAL CONDUCTIVITY	λ Lambda value 0.024 (W/m.K) @ 22°C mean temperature, aged	ASTM C518
DENSITY	Overall density 40 kg/m ³	ASTM D1622
FIRE CLASSIFICATION RESULTS	Rating D s3 d0 (Pyro Lab tested)	SANS 53501-1 SANS 53823
TOXICITY	Approved for usage in confined spaces	NES 713
WATER ABSORPTION	< 1% water absorption by mass	SANS 1381-1 2007 ASTM C1763
DIMENSIONAL STABILITY	< 1%	ASTM 2126

DIMENSIONS AND ATTRIBUTES

THICKNESS	30mm (1.25 m ² .K/W) R-VALUE
WIDTH	600mm
THICKNESS TOLERANCE	+/-2mm
EDGE DETAIL	Interlocking Tongue and Groove
APPEARANCE	Available in V-grooves (planked) or plain
COMMON BUILDING CHEMICAL RESISTANCE	Alkaline, Solvents, Paints, Adhesives
OPERATING TEMPERATURE RANGE	-60°C to 120°C (Maintains physical integrity and performance)

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.

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FACINGS

During the manufacture of polyiso boards, inorganic facers are used to contain the foam core during the continuous production process. After manufacture, facers add strength and aesthetics to the finished insulation board. **DECObOARD™** should be painted to finish the board, water or solvent based paint can be used.

HANDLING AND STORAGE

DECObOARD™ insulation boards are wrapped in branded plastic packaging for delivery to site. Keep away from direct sunlight and moisture. Boards must be stored on a flat surface, under cover and away from the elements.

Learn more at: www.lambdaboard.co.za

PROUD MEMBERS OF:



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