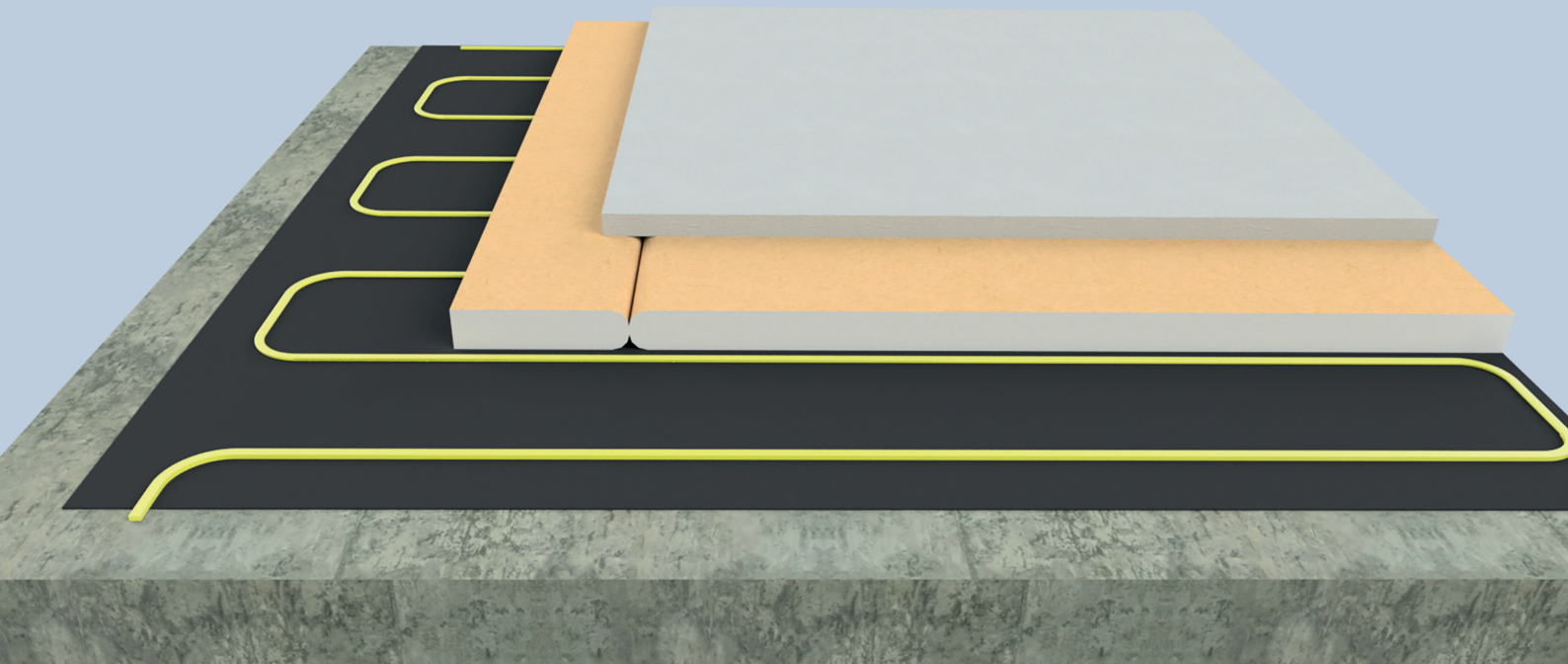




**LAMBDABOARD**<sup>®</sup>  
THE BETTER THERMAL INSULATION



01

**Pro**

Professional's  
Choice

02

**Ho**

Home Owner's  
Choice

LAMBDABOARD<sup>®</sup>

# SLAB INSULATION

## HOT DECK - UNDER SCREED / STONE BALLAST

LAMBDABOARD<sup>®</sup> is the ideal choice for hot deck insulation in all building categories especially in retrofits. It is manufactured in a continuous process with a closed cell PIR core bonded to 2 flexible substrates.

With the high compressive strength and excellent dimensional stability LAMBDABOARD<sup>®</sup> kraft paper finish can be used in under screed insulation. Thickness will depend on requirement in accordance with SANS 10400 XA & 204. LAMBDABOARD<sup>®</sup> does not lose insulation properties during its lifespan.



# SLAB INSULATION, HOT DECK - UNDER SCREED/STONE BALLAST

## BENEFITS

Using LAMBDABOARD® above a concrete slab will bring the thermal mass of the slab within insulated envelope, giving the building a steady thermal response

**LAMBDABOARD® has a high compressive strength**

Excellent thermal properties





**LAMBDABOARD® has the highest durability rate in its class**

LAMBDABOARD® has been proven to reduce energy cost

## INSTALLATION

When installing LAMBDABOARD® boards need to be butt jointed tightly and mechanically fixed to slab using nylon anchors or suitable adhesive. In application requiring more than 80 mm, a dual layer stagger pack application should be preferred to eliminate thermal bridging.

Because of the excellent thermal performance when using LAMBDABOARD® with its higher R-Values per thickness, you will require thinner insulation to achieve the desired R-Value.

<p>TEMPERATURE RANGE</p>  <p>-30° C to 120° C</p>	<p>LOW MAINTENANCE</p>  <p>Thickness: 25 mm to 100 mm Width: 1220 mm Length: Cut to size Minimum: 1350 mm</p>	<p>LONG TERM THERMAL RESISTANCE</p> 	<p>ENERGY SAVING</p>  <p>&gt;/70% With a rational design</p>
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## SPECIFICATION FOR BOQ

LAMBDABOARD® is a laminated polyisocyanurate core board with a minimum core density of 34 kg/m<sup>3</sup>, a minimum thickness of \_\_\_\_ mm; faced with \_\_\_\_ and laminated on both sides. Suppliers fixing details supplied in widths of 1220 mm with a \_\_\_\_ (Km<sup>2</sup>/W) R-Value. Finish will be white mineral and mineral natural laminated on each side.

▶ APPLICATION: SLAB INSULATION UNDER SCREED (ABOVE WATERPROOFING)

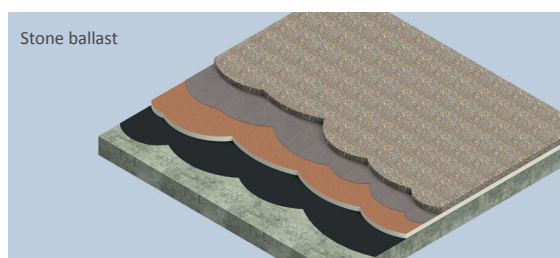
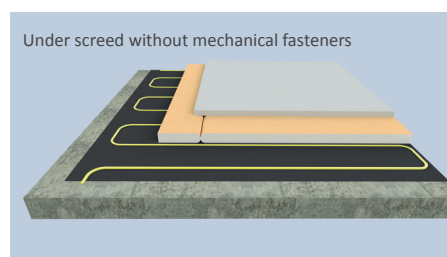
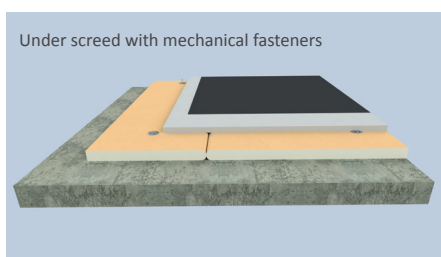
LAMBDABOARD® to be fixed on top of waterproofing membrane with a suitable adhesive. Boards to be laid in a single or double layer if insulation is <100 mm and a double layer stagger packed for >100 mm. LAMBDABOARD® to be covered with a screed to fall as per engineer's specification.

▶ APPLICATION: SLAB INSULATION UNDER SCREED (BELOW WATERPROOFING)

LAMBDABOARD® to be fixed on top of concrete deck, using suitable nylon anchors or adhesives. Screed to fall as per engineer's details with waterproofing membrane. Boards to be laid in a single or double layer if insulation is <80 mm and a double layer stagger packed for >80 mm.

▶ APPLICATION: SLAB INSULATION STONE BALLAST

LAMBDABOARD® to be fixed on top of waterproofing membrane with a suitable adhesive. Boards to be laid in a single or double layer if insulation is <100 mm and a double layer stagger packed for >100 mm. LAMBDABOARD to be covered with 19 mm crusher stone ballast or suitable sand and paving. As per engineer's details.



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