LAMBDABOARD® 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® kraft paper finish can be used in under screed insulation. Thickness will depend on requirement in accordance with SANS 10400 XA & 204. LAMBDABOARD® 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.

**TEMPERATURE RANGE**
-30°C to 120°C

**LOW MAINTENANCE**
Thickness: 25 mm to 100 mm
Length: Cut to size

**LONG TERM THERMAL RESISTANCE**
-2200 mm
-1500 mm

**ENERGY SAVING**
>70%
With a rational design

**SPECIFICATION FOR BOQ**
LAMBDABOARD® is a laminated polyisocyanurate core board with a minimum core density of 34 kg/m², a minimum thickness of _____ mm; faced with _____ and laminated on both sides. Suppliers fixing details supplied in widths of 1220 mm with a _____(Km²/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.