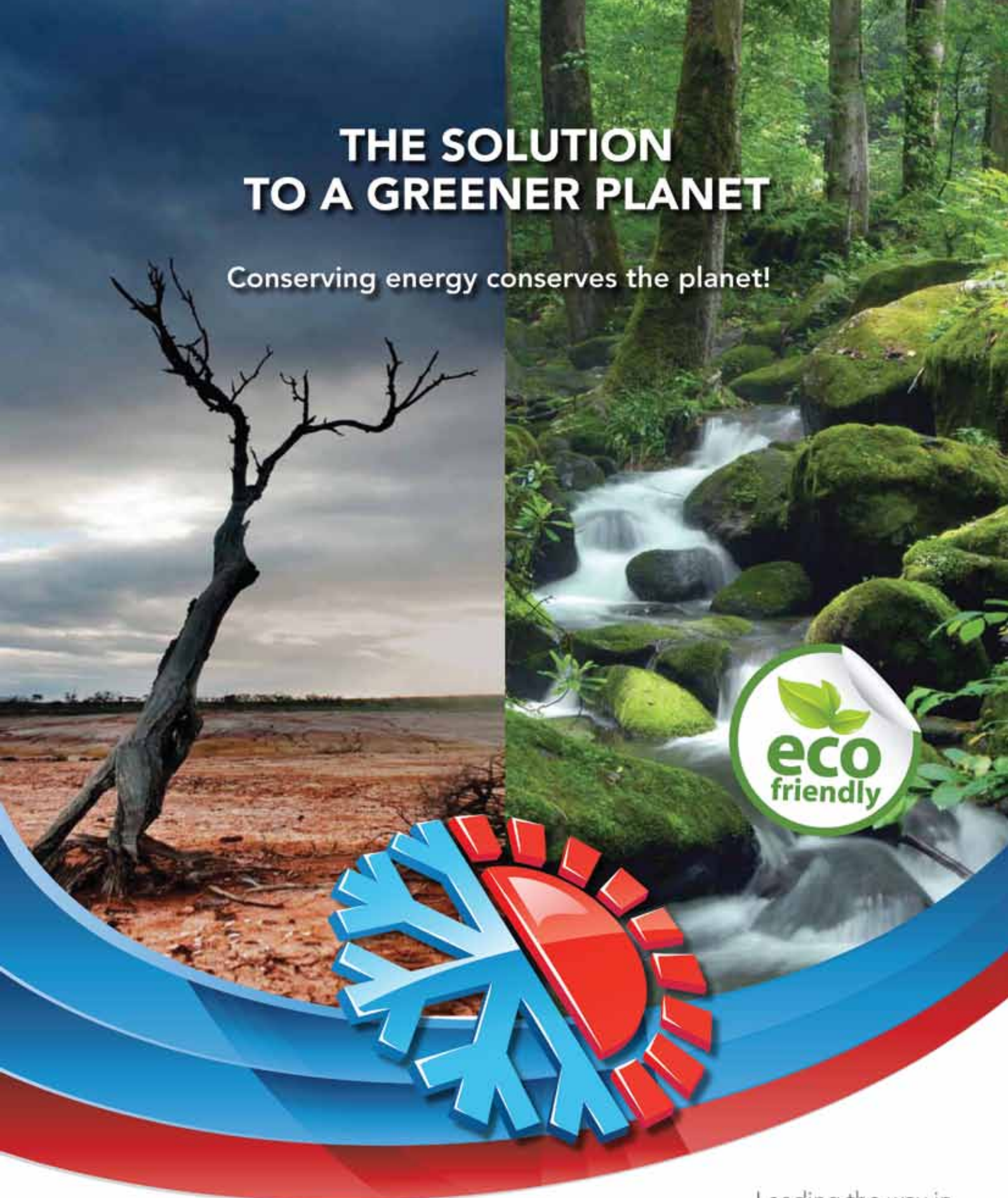


# THE SOLUTION TO A GREENER PLANET

Conserving energy conserves the planet!



Leading the way in environmentally friendly insulation systems for appliance, building and refrigeration applications.

HOME • BUILDING • REFRIGERATION • INDUSTRIAL

## GENERAL:

LAMBDABOARD is a flexible faced Polyisocyanurate (PIR) insulation board made on a continuous laminator. The polyisocyanurate cored insulation uses a hydrocarbon-based blowing agent which has zero Ozone Depletion Potential (ODP) and complies with Kyoto Protocol regarding Global Warming Potential (GWP). LAMBDABOARD insulation is the answer to HCFC and HFC free insulation.

- Recyclable.
- Environmental "green" choice.
- Highest stable R-value per 25mm of thickness.
- Moisture resistant, water repellent.
- Resistant to solvents used in construction adhesives.
- Excellent dimensional stability.
- Superior performance in fire tests.
- Service temperature range from -30°C to 140°C.
- Thermoset material does not soften or melt.
- High compressive strength.

## TAKE CONTROL OF YOUR ENERGY COSTS

In a bid to remain faithful to its mantra, "Take control of your energy costs", Rigifoam recently renewed its commitment to the supply of insulation capable of reducing operational heating and cooling costs resulting in positive environmental and climate change consequences. Its launch product, LAMBDABOARD, is a unique solution to the current energy crisis.



OVER PURLIN



OVER PURLIN

## SPECIFICATIONS

### Facing:

Matt mineral coated fibre glass tissue, clear polyethylene coated fibre glass tissue, aluminium scrim reinforced, white washable coated fibre glass tissue, 60 micron embossed aluminium, bitumised kraft

### Density:

Minimum of 34kg/m<sup>3</sup> foam core, overall 40kg/m<sup>3</sup>

### Thermal Conductivity:

0.024(W/m.K) @22°C mean temperature, aged

### Dimensions:

20mm to 150mm in thickness, 1220mm width

Length cut to size to maximum of 13500mm

### Temperature range:

- 30°C to 140°C

### Closed cell content:

> 95%

### Fire Properties:

SANS 428, B/B1/2/H&V – with and without sprinklers

### Toxicity:

Can be used in confined areas, as tested in accordance to NES 713

### Moisture absorption:

< 3% as tested in accordance with SABS 1381-1



*Lambdaboard is a unique solution to the current energy crisis*



SUSPENDED CEILINGS

# SEAMLESS CEILING INSTALLATION



BEFORE



DURING



AFTER

## R-VALUE PERFORMANCE

LAMBDABOARD has the highest R-value per 25mm thickness, therefore the design U-value of the insulation system can be achieved with a minimum thickness. This in turn allows the overall footprint of the building to decrease and reduces the cost of construction.

LAMBDABOARD	
Thickness (mm)	R Value (m <sup>2</sup> .K/W)
20	0.83
25	1.04
30	1.25
40	1.67
50	2.08
60	2.50
80	3.33
100	4.17



*Lambdaboard has a stable R-value*

## SPANNING CAPABILITY BASED ON 3 PURLIN SPACING'S WITH NO LONGITUDINAL SUPPORT 1220MM WIDE:

- 25 mm maximum 1800 mm
- 30 mm maximum 2000 mm
- 40 mm maximum 2300 mm



*Lambdaboard is a product that is renowned for its unmatched insulating supremacy*



CAVITY WALL

## THERE ARE NUMEROUS WAYS TO INSTALL LAMBDABOARD:

- Over purlin
- Vertical cladding
- Under screed
- Cavity wall
- Curtain wall
- Ceilings
- Under soffit
- Ducting

## DISAVOWAL:

The information set forth herein is furnished free of charge and is based on technical data that RIGIFOAM believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since some conditions of use are outside our control, we make no warranties, expressed or implied, and assume no liabilities in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patent.



UNDER PURLIN



UNDER SCREED



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