

# EcoTherm Eco-Deck

Structural thermal insulation for roofing applications



Flat Roofing



Flooring



Pitched Roof



Cavity Wall



Tapered



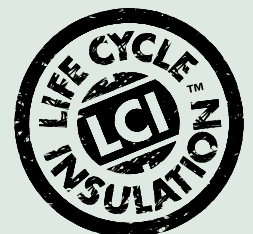
## EcoTherm Eco-Deck

Description: Nominal 6mm plywood on upper face and aluminium foil on the bottom face.

Purpose: Laminated insulation for roof decking.

Board size: 2400mm x 1200mm.

Lambda value: 0.023 W/mK



# EcoTherm Eco-Deck

## Technical specifications



- Description: EcoTherm Eco-Deck is a combination of tough, exterior grade, 6 mm plywood with rigid Urethane core. This combination produces a simple, yet highly effective and practical, insulated roof deck which is easily fixed into place by nailing or screwing to joists or rafters.
- Application: Flat roofing. Built-up felt, asphalt and single ply. When using asphalt, it is recommended a 12mm bitumen-impregnated board is laid to the ply first to act as a heat sink.
- Thermal conductivity:  $\lambda_D$ -value PUR 0.023 W/mK  
 $\lambda_D$ -value plywood 0.14 W/mK.
- Standard dimension: 2400 x 1200 mm.
- Edge finishing: Square edge.
- All boards are to be stored off the ground and kept dry.
- Density: PUR nominal 32 kg/m<sup>3</sup>.
- Compression strength PUR: minimum 150 kPa, at 10% compression.
- Closed cells PUR: minimum 90 %.
- Temperature resistance PUR:  
short duration: maximum 200°C less than one hour;  
long duration: -50°C up to +110°C.
- Zero ODP. CFC and HCFC free.
- Boards are supplied palletised in shrink-wrapped polythene, available in full pallet quantities only.
- Boards are easily cut using a fine tooth saw.

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$\lambda_D$ -value plywood 0.14 W/mK

Thickness in mm	56	76	96
R <sub>D</sub> -value m <sup>2</sup> K/W	2.22	3.08	3.96

\* All product qualities are being measured as prescribed in BS EN 13165:2001.

## Advantages of EcoTherm Eco-Deck

- High insulation value
- Fast and easy installation
- Energy saving
- Supporting roof board
- Roof decking and insulation in one application
- Good walkability
- High compression strength
- Dimensionally stable
- Closed cell structure