

# RespiraBoard

RespiraBoard® is a versatile wood-fibre board for insulation, sarking, render and internal lining – the breathable substrate at the heart of a high-performance natural home.

Vapour-open and weather-resilient, RespiraBoard® performs across the entire building envelope. Externally, it combines four functions in a single layer – thermal insulation, rain protection, wind protection, and a stable render base – with a tongue and groove profile that delivers instant weather protection on site. Internally, it serves as a breathable substrate for plaster or plasterboard finishes, supporting moisture-managed wall systems. Suitable for new-builds and retrofit, in timber frame or above-rafter applications.

## Characteristics

- ✓ Multi-function: insulation, sarking, render base and internal substrate
- ✓ **Vapour open**
- ✓ Instant weather protection – tongue & groove profile
- ✓ **Low carbon – net storage of carbon**
- ✓ Circular product – can be reused, shredded and remade

## Applications

- ✓ Above-rafter roof insulation
- ✓ **External wall insulation and render base**
- ✓ **Internal substrate for plaster and plasterboard finishes**
- ✓ **Floor insulation**



NB. [height] +/- 1 cm	RB 40
Sizes - Length, Height, Thickness - mm	2223x600x40
Density - Kg/m3 dry	180
Conductivity - W/mk LAMBDA\ R-Value	0.043 R-0.90
Specific heat capacity - J/KgK	2,100
Vapour permeability - $\mu$	3
Compressive strength - kPa	200
Fire class (RTF) - to EN 13501-1	E
Bonded Carbon [kg CO equivalent/m ]	260

