



RespiraBoard

RespiraBoard® is a mortar free, screw-fix semi-rigid insulation board. A renderable interior lining made from industrial hemp.

Breathable and vapour-open, it safely transports excess moisture outwards, helping to keep surrounding materials dry and preserve buildings. Suitable for use as an internal insulation board, RespiraBoard® can be applied in both retrofit projects and new-builds, whether in timber frame or solid masonry.

Characteristics

- ✓ High thermal comfort
- ✓ **Vapour open**
- ✓ Resistant to termites, frost, insects and rodents
- ✓ **Low carbon – net storage of carbon**
- ✓ Circular product – can be reused, shredded and remade

Applications

- ✓ Internal rigid insulation board for retrofit and new-builds
- ✓ **Internal wall lining system**
- ✓ **Ceiling lining for breathable roof cavities**



NB. [height] +/- 1 cm	RB 20	RB 40	RB 60
Sizes - Length, Height, Thickness - cm	60x120x2	60x120x4	60x120x6
Density - Kg/m3 dry	100	100	100
Conductivity - W/mk LAMBDA\ R-Value	0.041 R-0.49	0.041 R-0.98	0.041 R-1.46
Specific heat capacity - J/KgK	2202	2202	2202
Vapour permeability - μ	≤2	≤2	≤2
Compressive strength - kPa	≥25	≥25	≥25
Sound absorption (αw)	1.00 - Class A	1.00 - Class A	1.00 - Class A
Reaction to fire (BS EN 13501-1)	C-s2,d0	C-s2,d0	C-s2,d0

