



RespiraWool

RespiraWool® is a natural insulation made from technical hemp fibres, offering excellent thermal and acoustic performance.

Designed for diffusely open constructions, it regulates moisture thanks to its low vapour diffusion resistance and is a sustainable alternative to polystyrene, glass, or stone wool. **RespiraWool** helps create healthier, more comfortable buildings.

Characteristics

- ✓ High thermal and acoustic comfort
- ✓ **Vapour open**
- ✓ Low carbon and made with 85% natural fibres (15% mesh)
- ✓ **Hypo-allergenic, no VOC and combats Sick Building Syndrome**

Applications

- ✓ Perfect for wall cavity insulation
- ✓ **Areas where sound absorption is important**
- ✓ Ceiling and roof insulation
- ✓ **Partition walls**

Synthetic insulation	Natural insulation	NB. [height] +/- 1 cm	RW90
Very, very slow to dry when wet	Dries out quickly, even after absorbing moisture (and wicks it away)	Sizes - Length, Height, Thickness - cm	90x450x1110
Loses its insulation value from condensation	Still insulates while holding moisture	Density - Kg/m3 dry	30 - 40
Moisture gets trapped and lingers	Breathes — takes in and releases moisture freely	Conductivity - W/mk LAMBDA\ R-Value	0,041 R-2.2
Sags, slumps, and breaks down over time	Holds shape, stays solid, and lasts for decades	Thermal offset with plaster	-
	Brilliant for the planet and your lungs	Specific heat capacity - J/KgK	-
		Vapour permeability - μ	≤ 2
		Sound absorption coefficient (aw)	0,70 - Class C
		Reaction to fire	Class C - s2, d0

