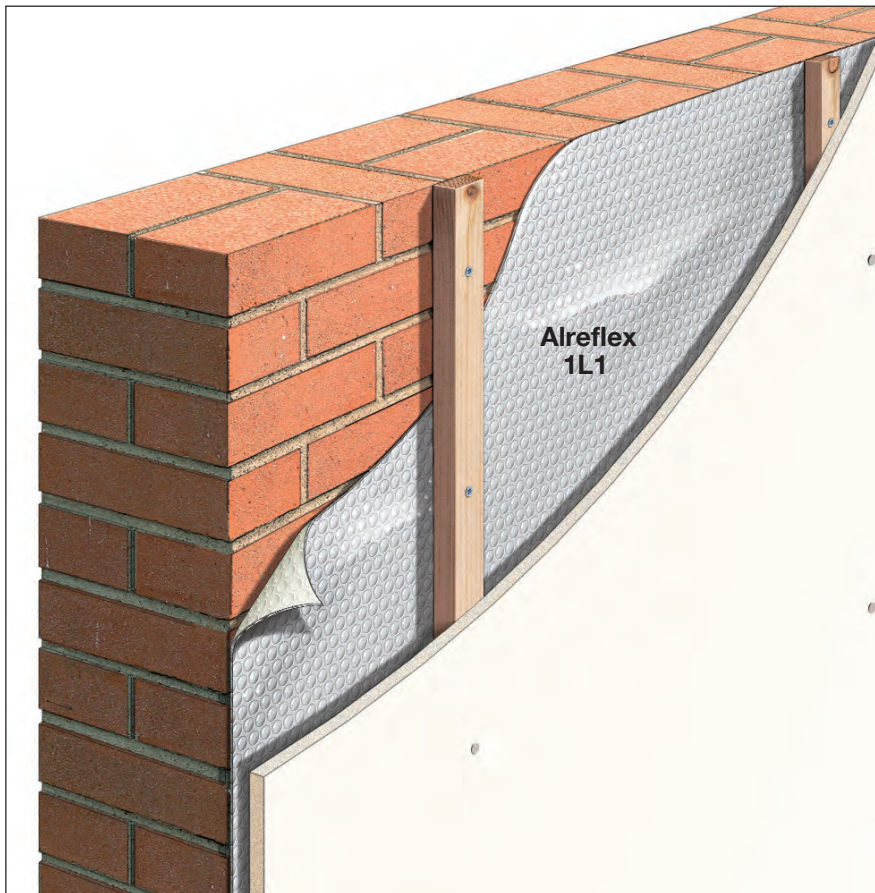


# DRY LINING

**ALREFLEX®**  
**1L1**  
**Super-R CLASS 'O'**  
 THERMAL INSULATION & VAPOUR & RAIN BARRIER



## Single-sided Thermal Dry Lining & Damp Barrier System

- ▶ Thermal Insulation
- ▶ Damp Proofing
- ▶ Vapour/air tightness barrier created with taped joints
- ▶ Shallow build depth
- ▶ Low cost- Alreflex 1L1 & standard plasterboard provides a 20% saving over insulated plasterboard
- ▶ Easy application
- ▶ Suitable for New Build, Loft conversions, Barn conversions, offices & commercial buildings
- ▶ The installation of 2L2 dry lining creates a service void behind the plasterboard
- ▶ No additional waste disposal measures necessary, unlike insulated plasterboards

### Thermal Resistance

The thermal resistance 'R' of Alreflex 1L1 Dry Lining System as shown is 0.77 m<sup>2</sup>K/w.

By comparison, a 35mm basic Thermal Board has a typical thermal resistance 'R' of 0.72 m<sup>2</sup>K/w.

### Application Details

For Damp walls 1L1 should be fixed directly to the wall surface with tanalized timber battens, **aluminium foil facing inwards to room.**

For dry walls the battens can be first fitted to the wall with 1L1 stapled on and **aluminium foil facing outwards to wall.**

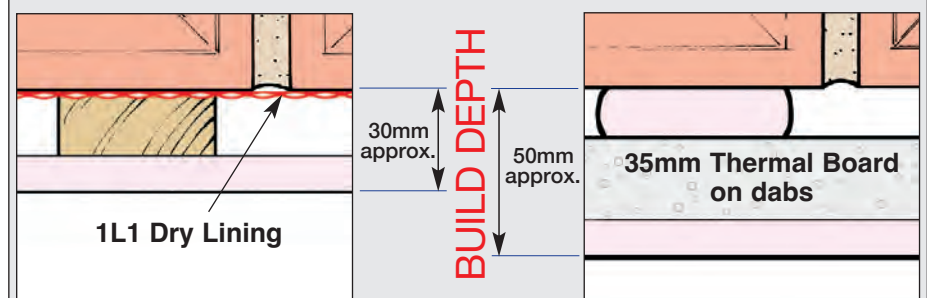
1L1 should be butt jointed and taped with 50mm Alreflex foil tape.

Can also be used with metal frame systems.

### Packaging

Alreflex 1L1 is supplied in rolls 1.2m x 50m (60m<sup>2</sup>).

## SAVES SPACE & IMPROVES U-VALUES COMPARED TO STANDARD THERMAL BOARDS



Wall construction	U-value	U-value with 1L1	Improvement
225mm Solid Brick Wall / Plaster	2.16 W/m <sup>2</sup> K	0.87 W/m <sup>2</sup> K	60%
Brick / Cavity / Dense Block / Plaster	1.55 W/m <sup>2</sup> K	0.75 W/m <sup>2</sup> K	52%
600mm Stone (K = 1.5)	1.74 W/m <sup>2</sup> K	0.79 W/m <sup>2</sup> K	55%



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