

THERMAL RATING FOR GREENBOARD WALL SYSTEM

Timber or Steel Frame

| Greenboard™ Thickness | 40mm | 60mm | 75mm | 100mm |
|--------------------------|---------------|---------------|---------------|---------------|
| External Air Firm | 0.03 R | 0.03 R | 0.03 R | 0.03 R |
| Render System | 0.02 R | 0.02 R | 0.02 R | 0.02 R |
| Greenboard™ R-value | 1.04 R | 1.56 R | 1.95 R | 2.60 R |
| Breather Sisalation Wrap | 0.48 R | 0.48 R | 0.48 R | 0.48 R |
| Cavity, frame | 0.17 R | 0.17 R | 0.17 R | 0.17 R |
| 10mm PlasterBoard | 0.06 R | 0.06 R | 0.06 R | 0.06 R |
| Internal Air Film | 0.12 R | 0.12 R | 0.12 R | 0.12 R |
| Total R-value | 1.92 R | 2.44 R | 2.83 R | 3.48 R |

What is an R-value?

All insulation materials are rated for their performance in restricting heat transfer. This is expressed as an R-value which is the measure of material's resistance heat transfer (Thermal Resistance). The higher the R-value, the greater the insulating effects.

Total R-value ratings where checked by,



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