

Energy Efficiency

All Baker & Davies windows and Doors can be single or double glazed. Our double glazed units have a large 12mm cavity for maximum insulation. This cavity can be filled with air or argon gas. Most of our glazing is done in our factory prior to delivery but larger squares, due to their weight, can be glazed on site.

Any glass can be specified including laminated, toughened, tinted, Low E or obscure. See attachment for a simple guide to Energy Management comparing six of the most popular glass alternatives. For more comprehensive information of glass performance data go to www.viridianglass.com

With our large timber sections, excellent "air infiltration" ratings (achieved through independent N.A.T.A Testing) and capacity in doors and sashes to have 20mm Double Glazed units, Baker & Davies can help you achieve the required 6 star energy rating.

Timber is by far the most energy efficient material to manufacture windows. Timber has outstanding insulation qualities. The energy required to manufacture alternative materials (embodied energy) such as aluminium or PVC is comparatively huge. While growing, timber absorbs carbon dioxide from the atmosphere. When you use timber to manufacture your windows you are reducing the amount of carbon dioxide in the atmosphere through carbon capture.

To help achieve your 6 Star Rating or above for your next project, specify Baker & Davies Timber Windows & Doors. We can also provide custom energy ratings for those who want to go beyond what is available on the market.

Energy Management Rankings

COOLING (Keeping house cool in summer)

Best		Solar Heat Gain Coefficient
1	4mm grey - 12mm Air - 4mm clear	0.55
2	6mm grey toughened	0.58
3	>6.38mm clear laminated Low E	0.68
4	4mm clear Low E - 12mm air - 4mm clear	0.70
5	4mm clear - 12mm air - 4mm clear	0.75
6	4mm clear	0.85
Worst		

HEATING (Keeping house warm in winter)

Best		U-Value
1	4mm Energy Advantage - 12mm air - 4 mm clear	1.9
2	4mm clear - 12mm air - 4mm clear	2.7
3	4mm grey - 12mm air - 4mm clear	2.7
4	6.38mm clear laminated Low E	3.6
5	6mm grey toughened	5.8
6	4mm clear	5.9
Worst		