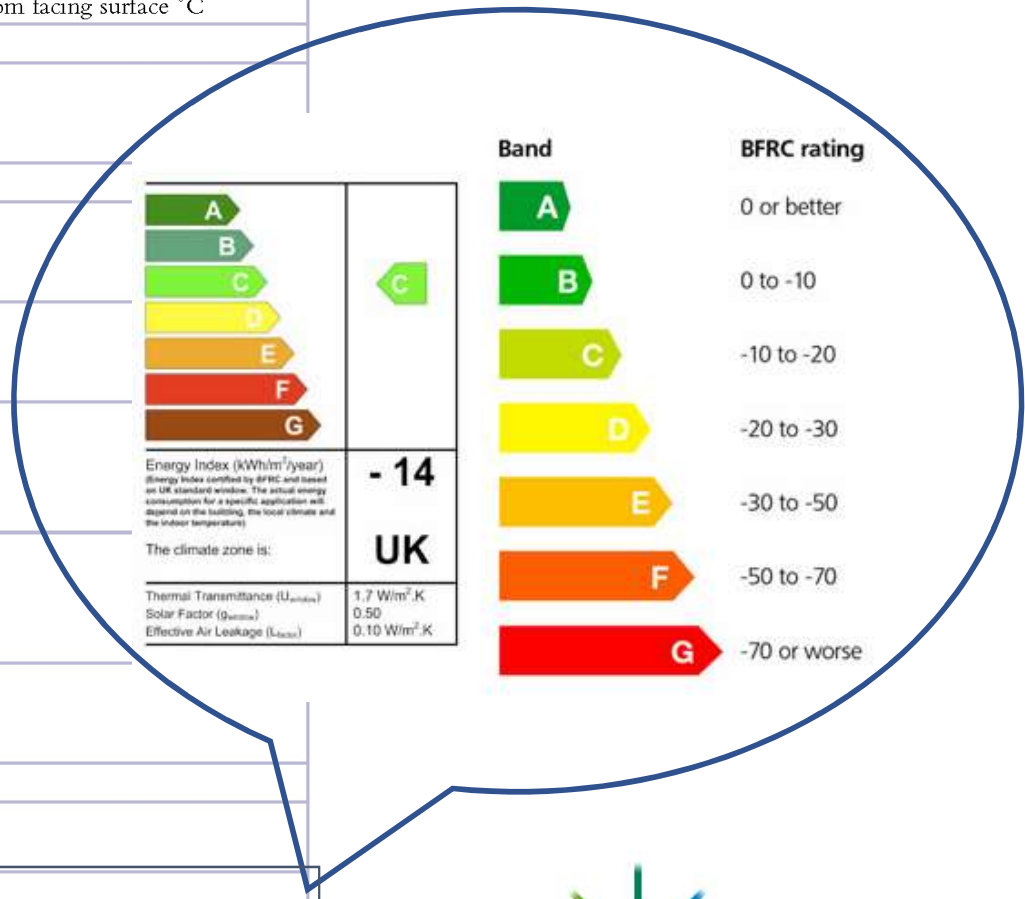


Improving the Thermal Performance of Traditional windows



Table 5: The effect of the various options on reduction in heat loss through single glazing, the estimated

U-values and measured average surface temperatures	Reduction in heat loss	U-value W/m ² K	Temperature of Interior (warm) room facing surface °C
Centre of glazing	-	5.4	12
Option 1. Heavy curtains fitted to rail on inside of insulated panel above window	14%	3.2	20
Option 2. Shutters	51%	2.2	19
Option 3. Modified shutters, with insulation inserted into panels and covered with 6mm plywood	60%	1.6	21
Option 4. Modern roller blind fitted at the top of the window case inner lining	22%	3.0	21
Option 5. Modern roller blind as option 4, with low emissivity plastic film fixed to the window facing side of the blind	45%	2.2	20
Option 6. Victorian blind fitted to the top of the recess formed by the window case pulley stiles at the side of the upper sash	28%	3.2	18
Option 7. A "thermal" Duette honeycomb blind manufactured by Hunter Douglas Europe b.v.	36%	2.4	21
Victorian Blind & Shutters	58%	1.8	19
Victorian Blind, Shutters & Curtains	62%	1.6	21
Secondary Glazing System	63%	1.7	19
Secondary Glazing & Curtains	66%	1.3	22
Secondary Glazing & Insulated Shutters	77%	1.0	21
Secondary Glazing & Shutters	75%	1.1	20
Double Glazing	55%	1.9	18



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