



By Appointment to
Her Majesty The Queen
Manufacturer and Supplier
of Secondary Glazing
Selectaglaze Ltd.

Selectaglaze

Secondary Glazing

UK-GBC



Benefit: Warmer

Type: Refurbishment

With buildings accounting for 44% of the UK's total carbon emissions, UK-GBC aims to work with government and industry to create a more sustainable built environment and their own efforts to reduce their office's environmental impact helps to demonstrate the pressing need to reduce the amount of energy used to heat buildings for both economic and environmental reasons.

The very large single glazed windows at the UK-GBC's offices were a major source of heat loss and, as the building is Listed, replacement windows or double glazing were not an available option.

The organisation therefore consulted Selectaglaze with a brief to reduce heat flow through the glass and eliminate draughts at the windows.

The 3m high windows were treated with a combination of Series 10 and Series 80 horizontal sliding secondary

units set to match the window sightlines and glazed with single panes of toughened low emissivity glass.





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The U-value of the original windows was 6.5 and calculations using modelling software show this has reduced significantly to 1.8.

Following completion of the refit, Ecoteric Ltd was commissioned by main contractor Morgan Lovell to carry out a BREEAM assessment measured against the BRE Environmental and Sustainability Standard, BREEAM Offices 2008 (BES5055 Issue 3.0). The building achieved a BREEAM score of 73.75% which translates into an interim design stage BREEAM rating of 'Excellent'.

