



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

Selectaglaze

Secondary Glazing

19th Century Entrance Lodge, Beaconsfield



- Benefit:** Warmer
- Type:** Renovation
- Listing:** Grade II

Built at the start of the 19th Century, this striking entrance lodge located in Beaconsfield, Buckinghamshire has morphed into a comfortable living space with the assistance of Selectaglaze secondary glazing. The lodge is at the entrance of an estate that leads to a main country house built in 1675.

The magnificent Grade II Listed lodge is of brick construction but clad with decorative carved renaissance style panels and painted entirely black. The ornate panels and barge boards adorned with garlands of fruit, Acanthus leaves and scrolls are set off by twisted columns supporting the jettied upper story.

The lodge fell into a state of disrepair a few years ago and required a thorough renovation, including the more recent sympathetic rear extension, before being deemed suitable for inclusion in the rental market.

All of the original leaded light windows were retained but they offered poor insulation and were unable to retain heat efficiently. To improve the insulation a bespoke and sympathetic solution was required which would not detract

from the historic features so the Estate Manager Giles Paddison contacted Selectaglaze, the UK's leading designer of secondary glazing, to provide a solution for the thermally inefficiencies.

In all, Selectaglaze installed six units from its Series 10 range and one Series 45 single side hung casement. Both ranges are slimline solutions ideal for heritage projects, as they introduce minimal sightlines and are designed to be as unobtrusive as possible. This, along with high performance seals, helped to virtually eliminate unwanted draughts and provide a more comfortable living space for the tenants.





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The inclusion of a low emissivity hard coat on the laminate glass reduces the U-value of the window combination to the range 1.7 to 1.9 W/m²K.

Secondary glazing is a fully reversible adaptation so accepted by most heritage agencies. Each unit produced is bespoke, guaranteeing a perfect fit, thus generating a more comfortable environment.

Another added benefit of secondary glazing is the reduction of outside noise. The lodge is located very close to a major motorway so this was a very important consideration. When there is a 100mm cavity between the primary and secondary windows, a sound reduction of about 45dB is achievable.

The new tenants of the lodge are pleased with the general look of the secondary glazing, the heat retention in the property and also remarked that they generally use less energy, which has led to lower bills. Estate manager Giles Paddison has also been impressed with the units at the lodge.

“The Selectaglaze secondary glazing units fitted to the lodge enabled us to retain the Listed leaded light windows while improving the thermal and acoustic efficiency beyond recognition.”

Established in 1966 and granted a Royal Warrant in 2004, Selectaglaze is the leading specialist in the design,

manufacture and installation of secondary glazing. Selectaglaze has vast experience working on all building types from Listed properties to new build offices. The company produces an extensive range of literature and guidance notes covering acoustics, thermal performance and added security and offers both a technical advisory service and RIBA approved CPD Seminars to architects and interior designers.

