



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

selectaglaze

Secondary Glazing

St Michael's Church, Plumstead



- Benefit:** Quieter
- Type:** Window upgrade
- Listing:** None

St. Michael's is a renowned Cherubim and Seraphim Church in Plumstead, London. The Eternal Sacred Order of the Cherubim and Seraphim is a Nigerian church denomination that was founded by Moses Orimolade Tunolase in 1925. The brick church was originally built in 1906 according to the Diocesan guide from the same year as a Church of England mission church of St Alban. No record has been found of when the mission church was closed, but it was declared redundant by the Diocese of Southwark and sold in 1965 to British Road Services for use as a warehouse. In 1980 it was sold to the Cherubin and Seraphim church and has been used as a place of worship ever since.

The church has services throughout the week, ranging from bible classes and prayer sessions that have been known to run through the night. In addition to its function as a place of worship, the church is also a centre for children in the community, which they use especially during the school holidays.

Situated in a densely packed residential area, a solution was required for noise insulation. The church got in touch with Selectaglaze, the UK's leading designer and manufacturer

of secondary glazing systems, to resolve the issue of noise egress via the arched windows.

The primary windows are double glazed PVCu units, but did little to diminish noise egress and thermally insulate both floors of the church. Secondary glazing provides a fully independent unit decoupled from the primary window





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Since the work has been completed, people have been thoroughly impressed with the acoustic improvements and very little can be heard from the church on the quiet residential road; day or night. Initially the church manager, Remi Adegbola was rather dubious about the wood-grain finish, but having seen the finished job she is extremely happy with the aesthetic and unobtrusive look of the secondary glazing as well as the acoustic and thermal properties of the windows.

Selectaglaze has undertaken a number of projects involving church refurbishment or change of use, including the Grade II Listed, St George's Church in Tufnell Park which required acoustic insulation for noise containment.

providing a much better barrier to noise than sealed units. The greater the cavity between the two panes, the better the dampening effect. Sealed units with a minimal cavity is less effective at insulating noise. A well-sealed secondary glazed window with a cavity of at least 100mm can provide noise reduction in excess of 45dB. Combined with double glazed windows, up to 56dB is achievable.

Selectaglaze treated a total of 28 arch headed windows utilising their Series 20 vertical sliding units and Series 46 fixed light system. The series 46 fixed light lends itself well to shaping and curving, so these were formed to create the top portion of the windows and then transom coupled to the Series 20, which created access to the primary window for ventilation and maintenance. All units were produced with 6.8mm acoustic laminated glass and were finished in a wood-grain colour to match the primary windows.

