

The Winnersh Triangle Wokingham



Thermal efficiency and effective solar control were just two of the benefits delivered by GLASSOLUTIONS' work on a contemporary curtain-wall façade for the Winnersh Triangle business park.

Situated in the heart of the Thames Valley, the Winnersh Triangle business park in Wokingham, Reading, spans 85 acres and is home to over 50 office and industrial businesses. It houses companies spanning a wide range of industries, with tenants including Virgin Media, Bang & Olufsen, and Intel, and is recognised as a prestigious location for forward-thinking businesses of all sizes.

GLASSOLUTIONS was contracted to provide 3400m² of contemporary curtain-wall façade for a new office block which would reflect the park's enviable reputation, as well as adhering to stringent efficiency and sustainability standards. Solar control glass held the key, whilst ensuring the client's exacting requirements for air tightness were also met.

The project was delivered in collaboration with EPR Architects and main contractor Wates, with whom GLASSOLUTIONS worked very closely throughout the planning and implementation stages. GLASSOLUTIONS was able to create and implement a project plan which would improve the specification and installation and score highly for air tightness and energy efficiency.

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Client:
Main contractor:
Architect:
Project type:
Completed:

Wates
Wates
EPR Architects
New build office building
November 2015

Work progressed swiftly after GLASSOLUTIONS' appointment to the project, and the installation was completed in November 2015.

Schueco FW60+ and FW60+ SG Curtain Walling systems were used by GLASSOLUTIONS to create the building's envelope; with a thermal rating of $1.5w/m^2k$, these additions were installed with the intention of aiding internal climate control.

The building's outer panes are 6mm SGG COOL-LITE SKN174, paired with a 16mm argon warm edge spacer to reduce thermal bridging. COOL-LITE panes were chosen for their exceptional solar control properties, reducing glare, controlling heat transmission, and minimising the need for air conditioning. The inner panes installed were 10mm clear

toughened HST acoustics, installed by GLASSOLUTIONS for their superior noise reduction properties.

GLASSOLUTIONS met the exacting efficiency specifications required for this project: the glazing installation achieved an air tightness rating of $2.1m^3/hr/m^2$, exceeding the very tight requirement of $3m^3/hr/m^2$ outlined in the building specifications. It is a result that has been met with an overwhelmingly positive response from the contractors and architects involved.

Wates project manager Darren Grinham described the project as an "excellent delivery", adding that "[t]he air test results are very good, and one we should all be very proud of."



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