



Case Study

Contractor

Bouygues UK

Client

London Borough of Barking
& Dagenham Council

Area

London Road, Barking
London



Housing Type

Private, Residential Quality
Apartments

Project Size

100 private residential apartments,
40,000ft² supermarket, and ancillary
retail for small or start-up
businesses units within Barking
town centre, facing Abbey Green
and the historic Barking Abbey

Product Specification

BRE Green Guide A+ rated Sidey Solartherm® Tilt and Turn windows and sliding patio doorsets to balconies manufactured with profiles meeting BS12608 Class A wall thickness for robustness.

Acrylic capped UV stable laminated foil in RAL 7004 Signal Grey smooth externally to replicate aluminium windows with white internal. High performance acoustic glazing to London Road & London Road/North Street corner meeting a 'standard' u-value of 1.4W/m²K.

Windows and patio doorsets manufactured to meet PAS24 and Secured by Design. Passivent acoustic through frame trickle ventilators where required.

German hardware, including concealed Tilt & Turn mechanisms and high quality handles with austenitic stainless steel restrictors throughout the apartments.

All glass was protected against scratches using Sidey's unique Scratchguard™ glass protection system factory applied using our copyrighted application system.

Sidey's unique cill receiver system with bespoke PPC (polyester powder coated) aluminium colour matched cill nosings were specified enabling the cills to be fitted after the windows were installed to mitigate damage from other trades.

Measured Benefit

Significant costs savings were delivered over the specified aluminium system whilst achieving a markedly better whole window u-value performance of 1.4W/m²K enabling savings in insulation levels elsewhere.

Duration: 20-weeks

Complexity

Specially designed flashings were sourced and fitted to optimise the performance of Bouygues UK patented concrete system as well as detailed design input to create a Part M compliant threshold detail at the patio doorset balcony interface.



Contact us for more information on all our products and services.

0800 234 400 | tninfo@sidey.co.uk

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