



Case Study

Contractor: Lowena Homes – Jubilee Court, Drump Road, Redruth

Timber Frame Supplier: Frame UK



Housing Type: A high quality development of 1 and 2 bedroom apartments

Duration: Windows installed offsite in the structural timber frame panels

Project Size: 189 windows and doors plus screen wall

Product Specification: A mixture of Sidey's BS12608 Class 'A' Solartherm® S 62mm Casement, Tilt & Turn windows and French doorsets in grey RAL7016 externally, white internally, delivering a whole window u-value of 1.4W/m²K. Sidey's unique Scratchguard™ glass protection was specified to all glazing to mitigate the risk of scratched glass and minimise outturn costs. French doorsets fitted with Part M thresholds to meet the client's requirements and two large areas of Solartherm® screen walling in the stair areas.

Measured Benefit: The product was designed and manufactured to match the modern external design of the development whilst optimising the fenestration to maximise many of the apartments enjoyment of coastal and/or rural views.

Speed, quality and sustainability of build were principal in Lowena's requirements, so structural timber frame was specified. The windows and doors were installed offsite using Sidey's unique KitFix® offsite installation system, thus ensuring the block was both wind and watertight immediately upon erection. Sidey's factory fitted air tightness membrane was specified to optimise performance between fenestration and structure. Taking a Fabric First approach, the whole window u-value of 1.4W/m²K against the specified 1.6W/m²K, delivered savings in the insulation levels of the walls, roof and floors whilst maintaining superior comfort in the apartments.

Complexity: The extremely wet summer of 2012 meant a closed panel solution with factory installed high performance windows and doors was crucial to meeting programme and ensuring the highest quality outcome on site.