



## Case Study

**Residential Development,  
Glastonbury, Somerset**

### Timber Frame Manufacturer

Southern Timber Frame  
(Southampton)

### Area

Somerset

### Housing Type

Multi-storey flatted  
accommodation for private sale

### Measured Benefit

Southern Timber Frame immediately recognised the value added benefits of offsite factory installation of windows using the Sidey KitFix® system; The project build was considerably faster as the structure was weather tight much sooner, meaning that follow in trades could start earlier. Additionally, site health & safety was greatly improved by the reduced need for site labour to install windows and the elimination of the need to manually distribute windows to each floor and aperture. The urban location meant that site storage was at a premium so removing the need to store and secure windows was of significant value.

### Product Specification

- Sidey Solartherm® high performance double-glazed casement windows were installed into timber-frame kit offsite at Southern Timber Frame's factory using the Sidey KitFix® system and were site commissioned by Sidey's installation team to the Kitemark standard BS8213.
- The Solartherm® windows are Kitemark licensed to BS7412/PAS 24 and were factory fitted fully glazed with sealed units manufactured to BS 1279 incorporating safety glass manufactured to BS 6206.
- The windows provided a U-value of 1.4 W/m²k and the glazing was protected with Sidey's unique factory applied, Scratchguard™ glass protection system to negate scratches and remove the need for additional cleaning (often the cause of scratches) at project completion.
- The windows included Sidey's high performance Roto TSL Twin-Cam security locking systems for maximum occupier safety and security with the added benefit of long-term durability and reliability, virtually eliminating the need for ongoing maintenance.
- Sidey's unique cill receiver enabled the windows to be factory installed and transported fully protected within the timber kit and without reducing the transportation payload.
- Sidey commissioned all fenestration on site, pushing the windows to first-fix position, fitting the handles and cill nosings and sealing up the factory fitted air-tightness solution to the structures internal membrane, giving performance down to 0m³/hr/m²@50Pa around the windows.



### Complexity

*The site was located in an urban area with restricted access so storage was at a premium and traffic disruption needed to be minimal; windows were delivered to Southern Timber Frame's factory in Southampton in coordination with the timber frame production plan to maximise project efficiency. On site, the frames were craned into place with the windows in their transport position, fully protected within the timber studs.*

*Southern Timber Frame's fabric-first approach to the project and the use of the unique Sidey KitFix® system with Solartherm® windows and Scratchguard™ added significant value and reduced overall project cost.*



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