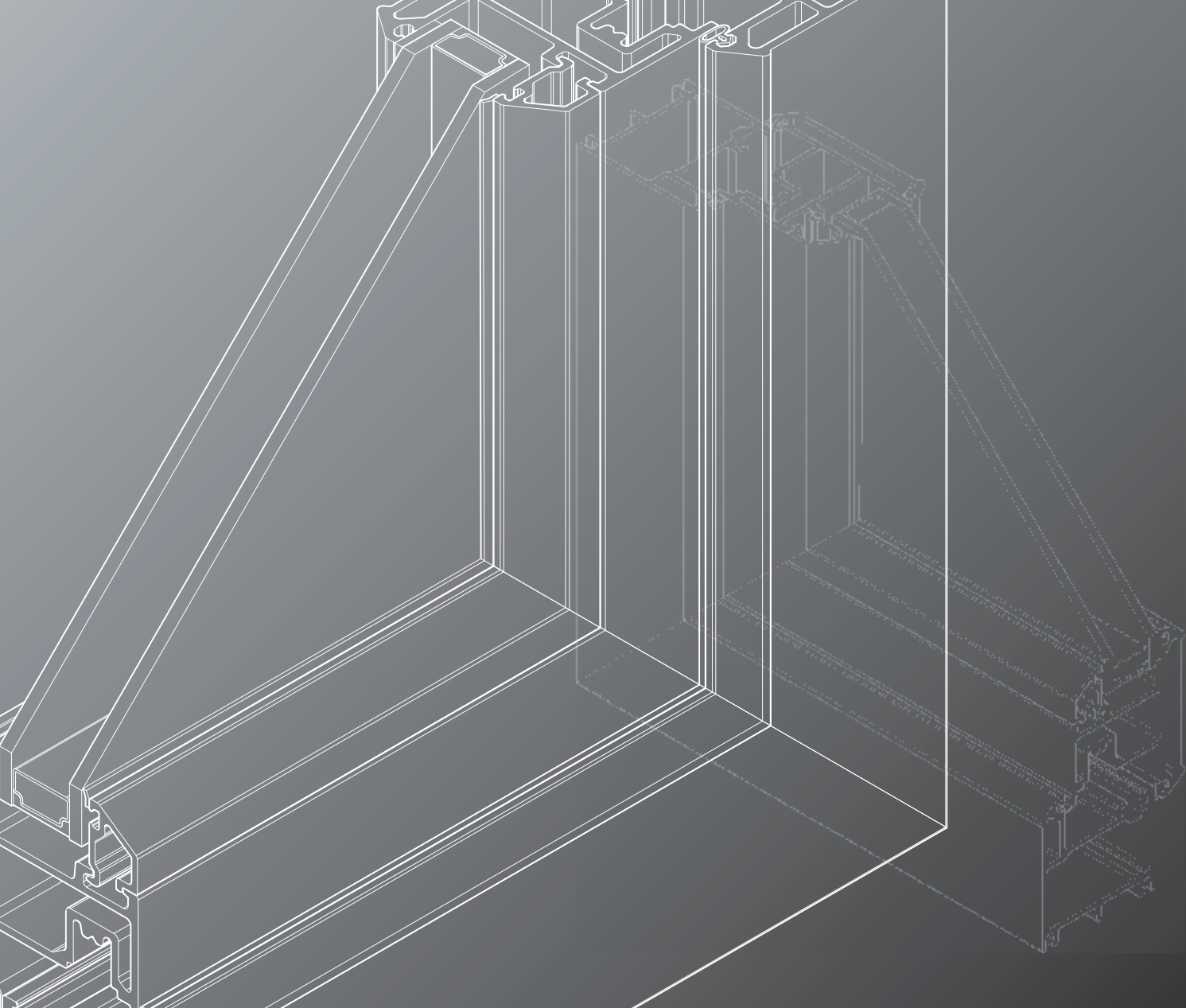




Technical information

# System 300 casement window



SENIOR **FIBRE** SYSTEMS™

## Scope

The System 300 casement window has been designed to meet current building regulations. The 60mm profile offers excellent thermal properties without the need for additional thermal breaks. A variety of glazing thicknesses can be accommodated within the system.

## Materials

This is a pultruded glass reinforced polymer, having a general wall thickness of 2.5mm with a minimum glass content of 60% and a polyester resin binder. Materials are produced to AAMA 305-06 (Specification for fibre reinforced thermoset Profiles)

## Finishes

System 300 casement window sections are typically available with all exposed surfaces coated with a durable acrylic urethane topcoat, in compliance with AAMA 613. A full range of standard RAL colours are available. Dual colours options are also available.

## Construction

Frame and sash corners are jointed with moulded reinforced polymer shearblocks and are mechanically secured. All mitred/butt joints are factory sealed during fabrication. Proprietary hardware enables both top hung and side hung options.

## Weather Rating

BS6375 Pt 1, equipment as required BS 5368 Pt 1

|                  |         |
|------------------|---------|
| Air Permeability | 600 Pa  |
| Water Tightness  | 600 Pa  |
| Wind Resistance  | 2000 Pa |

## "Typical" Sizes\*

| Width (mm) |   | Height (mm) |
|------------|---|-------------|
| 1500       | x | 1500        |

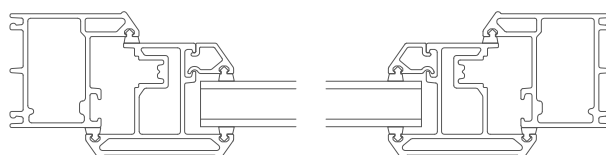
\*for guidance only-for sizes exceeding the above, please contact our Technical Department.  
Due regard should be given to the maximum recommended sizes, as published by the hardware manufacturers

## Glazing

|           |      |    |      |
|-----------|------|----|------|
| Thickness | 28mm | to | 34mm |
|-----------|------|----|------|

## Indicative U values

|             | 1200 x 1200            | 1500 x 1500            |
|-------------|------------------------|------------------------|
| Fixed light | 1.30W/m <sup>2</sup> K | 1.28W/m <sup>2</sup> K |
| Vent        | 1.35W/m <sup>2</sup> K | 1.33W/m <sup>2</sup> K |



## Environmental

Senior Architectural Systems is fully compliant with BS EN ISO19001, BS EN ISO 14001 and OHSAS 18001 Standards.

System 300 when used on projects involved in a BREEAM assessment, or within the Code for a Sustainable Built Environment and the Code for Sustainable Homes (which therefore involves the Green Guide to specification) can offer significant benefits. For project specific assistance, please contact our specification team.

**Specification. Please contact our national team of architectural advisors for advice on product suitability, calculations and NBS or bespoke specifications.**