



# SCW Curtain Wall System Technical Datasheet

## Scope

The SCW curtain wall system has been designed with enhanced thermal performance to meet current building regulations. It is a box and plate, zone drained and pressure equalised system and offers a slim 50mm sightline, with a choice of 3 mullion and 4 transom depths. The system is capable of being fabricated into ladders for quick assembly on site and can accept a variety of glazing types. Other profiles can be incorporated giving flexibility of design.

## Materials

- Extruded aluminium is generally Aluminium Alloy 6060.T6/T66, 6063.T6/T66, 6082.T6 to BS EN 755-9 and EN 12020-2.
- The Gasketry is generally manufactured in accordance with BS ISO 3302-1.
- The fixings are generally A2 Stainless Steel screws.

## Finishes

SCW curtain wall sections are available typically in three finishes.

- Polyester Powder Coating to BS EN 12206-1 Part 1 painted in house. Surface finished to a minimum of 40 microns standard, or enhanced to suit project requirements, in accordance with ISO 9001, ISO 14001 and ISO 45001.
- Anodised finishes are to BS3897 to a minimum of 25 microns (AA25), supplied in either satin or polished finish in a limited range of colours.
- Mill Finish.

## Construction

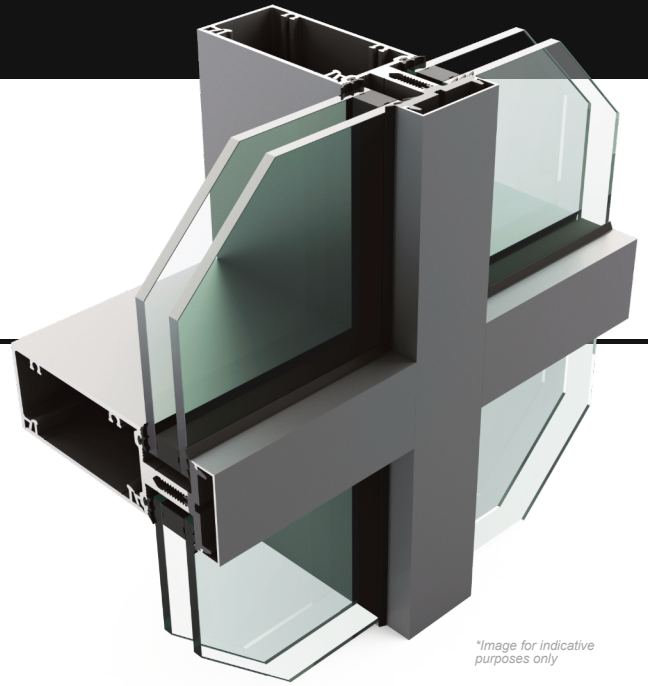
SCW framing is constructed using mechanical methods at butt joints, and assembled using stainless steel self-tapping screws into integral screw ports extruded into the body of the sections, directly through square cut adjoining sections. A proprietary sealant is used on all metal to metal joints and gasket to gasket joints during assembly in line with good practice.

Vertical sections are designed to run through, which enables individual panels to be made separately and assembled on site for large or multi-panel frames.

Sleeves are used for joint and sectional reinforcing or expansion joints on larger spans.

## Environmental

Senior Architectural Systems is fully compliant with BS EN ISO 9001, BS EN ISO 14001, ISO 45001 and BES6001 standards. When used on projects involved in a BREEAM assessment, or within the Code for a Sustainable Built Environment, (which therefore involves the Green Guide specification) can offer significant benefits. For project specific assistance, please contact our specification team.



\*Image for indicative purposes only

## \*Average U-values

CEN standard (Double Glazed)

CEN standard (Triple Glazed)

Due to the variety of profiles, mullion spacing, glass and panel specifications on each project; a specific U-value calculation will be required. Please contact your Technical Sales Manager or Architectural Advisor for more information.

## Glazing

Thickness

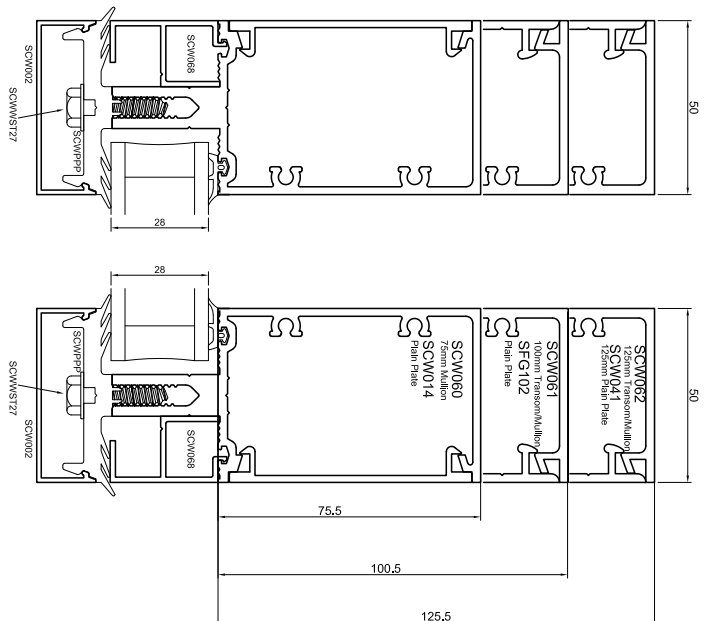
6mm - 28mm

## Testing

BS6375 -1

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

Test certifications available upon request.



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