

Technical Information

SF62 curtain wall systems

SF62
CURTAIN WALL SYSTEMS

Scope

The SF62 curtain walling range has been designed to enhance thermal performance meaning the system can exceed current building regulations. The wider 62mm box allows the system to be more flexible in accommodating structural movement. The system is a stick type front loaded system using spring pins or a shear block (depending on the project requirements) and a lap cut transom. The system is mullion drained and can be fully capped, fully silicone glazed (using the SAS toggles) or a combination of the two. Sections sizes vary with transom from 80mm to 250mm (80, 100, 125, 150, 175, 200, 225, 250) and mullions from 72mm to 242mm (72, 92, 117, 142, 167, 192, 217, 242). The system can be used in conjunction with other SAS systems. Specific profiles can be incorporated offering design flexibility.

Materials

- All aluminium sections are extruded using Aluminium Alloy 6060, 6063 or 6083 (for improved strength) T6 to BS EN 755 part 9 2008 or BS EN12020-2.
- Thermal breaks are extruded to BS 7619.
- Gaskets are manufactured in accordance with BS 3734.

Finishes

The SF62 curtain wall system is available typically in three finishes.

- Polyester Powder Coating to BS EN 12206-1: 2004 Part 1 – painted in house. Surface finish at 40 microns standard, or enhanced to 60 microns for marine environments, in accordance with ISO 9001, ISO 14001 and ISO 18001.
- Anodised finishes are to BS3897:1991 to a minimum of 25 microns (AA25), supplied in a limited range of colours.
- Mill finish.

Construction

The SF62 curtain walling range is a mullion drained system utilising a “lap” joint used in conjunction with a spring pins or shear blocks, depending on the connection type and infill weight required. All internal gaskets are designed to mate with injection moulded corner pieces which are sealed at joints. Reinforcing sleeves, steel and back boxes can be used to strengthen mullions and achieve longer spans. For specific construction details, please refer to the technical manuals.

Average U values

Due to the variety of profiles, mullion spacings, glass and panel specifications on each project; a specific U-value calculation will be required. Please contact our Technical Department or Architectural Advisors.

Glazing Thickness

Thickness	12mm to 52mm*
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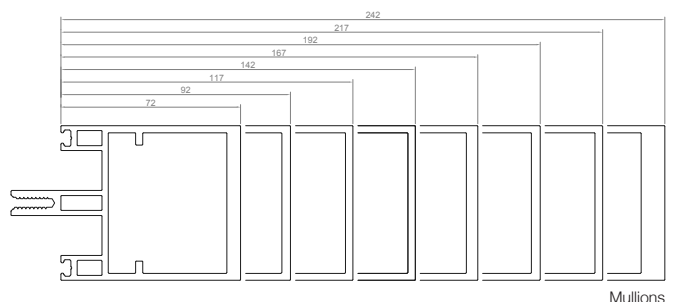
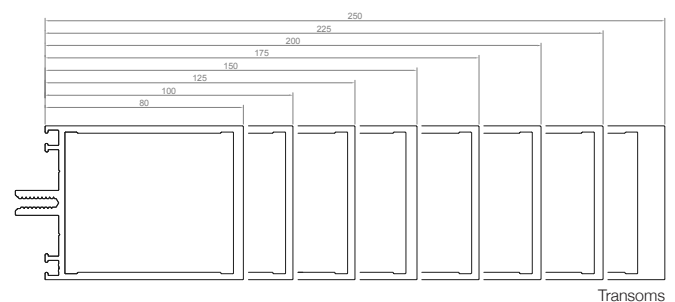
*configuration dependent

Weather Rating CWCT Sequence B

Air Permeability	600Pa
Water Tightness	600Pa
Wind Resistance	2400Pa

EN13830:2003

Air Permeability	600Pa
Water Tightness	600Pa
Wind Resistance	2400Pa



Environmental

Senior Architectural Systems is fully compliant with BS EN ISO 6001, BS EN ISO 9001, BS EN ISO 14001 and OHSAS 18001 standards.

SF62 curtain wall system 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.

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