

A photograph of a modern commercial building with a large, multi-paned aluminium curtain walling system. The building has a mix of wood cladding, brickwork, and a dark grey roof. The sky is clear and blue.

Commercial Aluminium Curtain Walling Systems

Our state-of-the-art commercial aluminium curtain walling systems, including the advanced SF52 from Senior Architectural Systems, are designed to transform spaces with both style and functionality. The SF52 is a complete curtain walling system offering exceptional versatility and thermal performance.

The SF52 system is crafted from extruded aluminium ensuring durability and strength. Available in three finishes – polyester powder coating, anodised finishes, and mill finish, the SF52 offers both aesthetic flexibility and robust protection.

Fully CWCT tested, the system supports double or triple glazed units from 24mm – 50mm, providing enhanced energy efficiency. It offers a range of window and door options, including frameless vents and automation, making it adaptable to various commercial applications.

DESIGN FEATURES

- Versatile and exceptional thermal performance, meeting current building regulations
- Constructed from durable extruded aluminium for strength and longevity

OPTIONS

- Glazing 24mm – 50mm
- Polyester powder coated, anodised, or mill finishes available
- Available in both capped and capless designs
- Offers various window and door configurations, including frameless vents and automation

SPECIFICATIONS

Performance and accreditations

U-value:	As low as 1.0 W/m ² K. 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 for more information.
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Glazing

Thickness (Mullion Drained):	6mm – 50mm
Thickness (With SG):	28mm – 43mm

Testing

Security:	PAS24
Air Permeability:	600Pa
Water Tightness:	600Pa
Wind Resistance:	2400Pa



Acoustics

Acoustic Performance (IGU Dependent):	46dB reduction is achievable
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Transom Loads

SF52 Transom Loads:	350kg Standard, 500kg Reinforced
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Finishes

SF52 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.

