Technical information

SF52 sloped glazing curtain wall system
Scope

The SF52 sloped glazing system has been designed to enhance thermal performance meaning the system can exceed current building regulations. It is a stick type front loaded system using spring pins and a specially designed step cut transom joint. Glazing ranges from 28mm to 52mm. Purlin (transom) size range (mm) - 50, 80, 100, 125, 150, 175, 200, 225, 250. Rafter (Mullion) size range (mm) - 72, 92, 117, 142, 167, 192, 217, 242. 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 or BS EN 12020-2.
- Thermal breaks are extruded to BS 7619.
- Gaskets are manufactured in accordance with BS 3734.

Finishes

The SF52 sloped glazing system is available typically in three finishes.

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

Construction

The sloped glazed system uses a ‘lap’ joint between the transoms and mullions. All internal gaskets are designed to mate with injection moulded corner pieces and are sealed at joints. Shear blocks and reinforcing sleeves are available.

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.

Environmental

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

SF52 sloped glazing 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.