

Curtain Walling Systems

At AluK we understand the integral role curtain wall plays in façade design, from absorbing building sway and resisting wind to dictating thermal efficiency and controlling light. It's why our systems have been specified and installed in many of the world's most prestigious buildings.

We also appreciate the importance of flexibility in the design process. Our unique lightweight solutions offer you the freedom to bring your vision to life without compromising on the performance, functionality and safety demanded by modern buildings. They can be faceted, curved or angled to create your desired finish, with sightlines minimised to offer maximum light transmission into the building. All profiles are thermally broken to optimise performance.

We have a range of systems from unitised to stick build construction that can be built to accommodate large single span atriums, enabling impressive expanses of uninterrupted glazing. Systems are available in a range of finishes and colours for further design flexibility.

A comprehensive range of options is available for our curtain walling systems, including capped and structurally bonded systems. Fully integrated insert

options include: Parallel Opening Vent (POV), Tilt-Before-Turn (TBT), Side Hung and Top Hung. Swinging and sliding doors are also available for multiple applications.

Our technical experts will provide you with comprehensive wind calculations, thermal data and safety information to enable you to turn your building design into an efficient and impactful reality.

OUR UNIQUE SOLUTIONS OFFER
YOU THE FREEDOM TO BRING
YOUR VISION TO LIFE WITHOUT
COMPROMISING ON THE
PERFORMANCE, FUNCTIONALITY
AND SAFETY DEMANDED BY MODERN
BUILDING SPECIFICATIONS.



SPECIFICATIONS

PERFORMANCE AND ACCREDITATIONS	
Air Permeability	Class A4 (600 Pa)
Water Tightness	RE1200
Wind Resistance	2400 Pa
Acoustic Performance	46 dB
CWCT Certified	Sequence B
SYSTEM	
Width	50mm
Depth	50mm - 330mm
INSERTED WINDOW AND DOOR CONFIGURATIONS	
Fixed Light	✓
Tilt & Turn	✓
Top Hung	Concealed & Framed
Side Hung	Concealed & Framed
Parallel Opening Window	Concealed & Framed
Single Door	Swinging & Sliding
Double Door	Swinging & Sliding
WEIGHT LIMITS	
Fixed Light Max Weight	690kg
Tilt & Turn Max Weight	130kg
Top Hung Max Weight	180kg
Side Hung Max Weight	55kg
Parallel Opening Window Max Weight	200kg
GLAZING	
Glazing Options	Capped
Glazing Thickness	6mm-44mm
DESIGN	
Drainage	Mullion
Dry Glazed Option	✓
Faceted	✓
Sloped	✓
Curved	✓

SL50 Curtain Walling System

The SL50 is a capped 'mullion drained' curtain walling system designed to offer the highest performance through a combination of profile design and thermal optimisation.

Offering complete flexibility of design and functionality, the SL50 has a range of glazing infills and face caps to suit any project. Our drainage and ventilation system, sited within glazing rebates, ensures an attractive finish with optimal weather performance.

The system is available in a variety of mullion depths, as well as an enhanced thermal performance variant. For added design flexibility, the system can be faceted, curved or sloped, and drainage can be achieved through the mullion. The system has been tested to CWCT Sequence B and has been designed to be fully integrated with AluK window, door and brise soleil systems to provide a complete façade solution.

DESIGN FEATURES

- 7.5° angles can be created with a faceted mullion without changing the glazing gasket
- Hybrid mullion allowing a direct fix to steel / timber structures
- Design features such as concealed vent options, purlin and eave details
- Consistent slim 50mm sightlines throughout

OPTIONS

- 11 mullion and 9 transom options to overcome most design challenges
- Concealed drainage options for maximum drainage efficiency
- Glazing and infill range from 6mm-44mm
- Variety of face cap options
- Slim cap options available at 2.5mm
- Fully integrates with AluK window and door systems





SPECIFICATIONS

PERFORMANCE AND ACCREDITATIONS	
Air Permeability	Class A4 (600 Pa)
Water Tightness	RE1200 Pa
Wind Resistance	2400 Pa
Acoustic Performance	44 dB
CWCT Certified	Sequence B
SYSTEM	
Width	50mm
Depth	50mm - 330mm
INSERTED WINDOW AND DOOR CONFIGURATIONS	
Fixed Light	✓
Tilt & Turn	✓
Top Hung	Concealed & Framed
Side Hung	Concealed & Framed
Parallel Opening Window	Concealed & Framed
Single Door	Swinging & Sliding
Double Door	Swinging & Sliding
WEIGHT LIMITS	
Fixed Light Max Weight	320kg
Tilt & Turn Max Weight	130kg
Top Hung Max Weight	180kg
Side Hung Max Weight	100kg
Parallel Opening Window Max Weight	200kg
GLAZING	
Glazing Options	Silicone or Gasket
Glazing Thickness	28mm-32mm
DESIGN	
Drainage	Face
Dry Glazed Option	✓
Faceted	✓
Sloped	✓
Curved	✓

SG50 Curtain Walling System

The SG50 is a structural glazed curtain wall designed to offer optimal performance through a combination of unique profile design and thermal optimisation.

The system is available in a variety of mullion depths. For added design flexibility, the system can be faceted, curved or sloped, and drainage can be achieved through the mullion. The system has been tested to CWCT Sequence B and has been designed to be fully integrated with AluK window, door and brise soleil systems to provide a complete façade solution.

DESIGN FEATURES

- 7.5° angles can be created with a faceted mullion without changing the glazing gasket
- Hybrid mullion allowing a direct fix to steel / timber structures
- Design features such as concealed vent options, purlin and eave details
- Consistent slim 50mm sightlines throughout
- Toggle glazed system for ease of manufacture and installation

OPTIONS

- 11 mullion and 9 transom options to overcome most design challenges
- Concealed drainage options for maximum drainage efficiency
- Glazing and infill range from 6mm-44mm
- Dry glazed or structural sealant glazing
- Fully integrates with AluK window and door systems

