

SovereignSeries™

Architecturally styled, performance window and door systems



 **nulook**
windows & doors

NULOOK QUALITY ASSURANCE

Standards

Nulook Windows and Doors are tested in an Internationally Accredited New Zealand laboratory, using an independent testing engineer and comply with the New Zealand Standards – NZS4211:1985 Specification for Performance of Windows and NZS3504:1979 Specification for Aluminium Windows.

Durability

All Nulook products comply with the 15 year durability requirement of the Building Act 1991 B2.

Product Performance

Nulook products are tested in accordance with New Zealand industry standards.

Care and Maintenance

We recommend washing your aluminium joinery every six months with a mild detergent in warm water to remove accumulated dirt, grime and airborne salt deposits. In areas where pollutants are more prevalent such as beach houses and geothermal or industrial areas, cleaning more regularly is recommended.

Warranty

All Nulook Windows and Doors are backed by a minimum five year factory warranty.

Our Commitment to You

- We will respond to your inquiry with constructive and practical advice.
- We will make sure that you understand all aspects of our quotation and clearly explain how we will fulfill your requirements.
- We will keep you informed on the progress of any business you entrust to us.
- We will ensure that your order is completed and delivered on time.
- Our commitment will not end until we are sure you are satisfied with our work.

For more information on Nulook products and services, call your local Nulook fabricator or Freephone 0508 800 755 or email info@nulook.co.nz

Call now for a free quote.

0508 800 755

www.nulook.co.nz

Your Local Licensee:

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FOR ARCHITECTURAL STYLE



Awning & Casement Windows

SovereignSeries™ Awning and Casement Windows combine stylish appearance with excellent performance.

Features include:

- Optional flange facings 25mm or 35mm
- Square styling
- Concealed fixing
- Choice of heavy or light box section mullions
- Optional standard or raised cover plate
- Optional multipoint locking

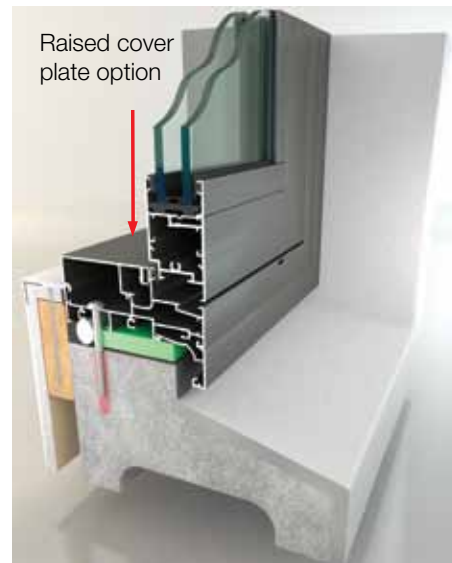
Awning & Casement Windows			
SovereignSeries™	Requirement	Actual Performance	Comments
Water Pressure*	375pa	600pa	
Air Pressure	1760pa UWP (VH)	2300pa UWP	
Height/Frame		2.3m	At 1.5m centres using the 34mm box mullion*
Glazing		4-24mm glass	Maximum
Frame Size		100mm	
Panel Weight (Sash)		30kg	Maximum
Sash Thickness		36mm	
Sills		Flush	Infill available to conceal frame edge
Seals		Concealed	
R cog Value***		0.62**	Argon gas Low E 5/12/4



Window Frame showing flange options



Window Frame with flange



Awning Window with flange (flush sash)



Awning Window with flange (flush sash open)



Awning Window & box mullion (flush sash)

* In a very high wind zone, higher spans can be achieved using stiffening.
 ** This is not an inframe measure.
 *** Centre of glass.

Inline Bi-fold Doors

The Inline Bi-fold has been designed specifically to fold back inline with the exterior cladding.

Features include:

- Flat Sill design
- Compact low profile with options for normal or fold back use
- Double glazing up to 24mm
- Panel configurations (six panel possible, 3x3, 3x2, 3x1)
- Stainless steel operating gear
- Concealed fix frame does not require reveal

Inline Bi-fold			
SovereignSeries™	Requirement	Actual Performance	Comments
Water Pressure*	375pa	375pa	
Air Pressure	1760pa UWP (VH)	1760pa UWP	
Height/Frame		2.4m*	Using the wide stile, depending on wind load
Panel Width		0.85m	Depending on wind load
Glazing		4-24mm glass	Maximum
Frame Size		100mm	
Panel Weight		60kg	Maximum
Panel Thickness		41mm	
Sills		Flush	
Seals		Concealed	
R cog Value***		0.62**	Argon gas Low E 5/12/4

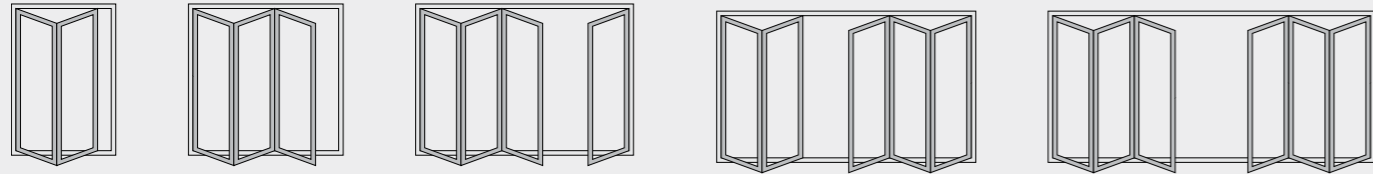
* In very high wind zone. ** This is not an inframe measure. *** Centre of glass.

When space is at a premium, choosing the right door becomes important. The Nulook Inline Bi-fold creates unobstructed openings for your enjoyment.

Advantages include:

- No unsightly track
- Unique mechanism opens the door to the 90 degree position, where a spring release activates allowing the panels to swing free to a 180 degree position
- Clean and tidy appearance
- Full length weather protection seals

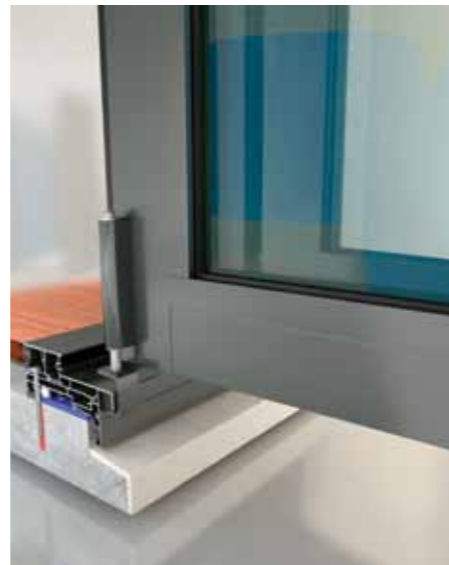
COMMON CONFIGURATION OPTIONS



Inline Bi-fold head detail



Inline Bi-fold head detail



Inline Bi-fold sill detail



Inline Bi-fold sill detail

Hinged & French Doors

Features include:

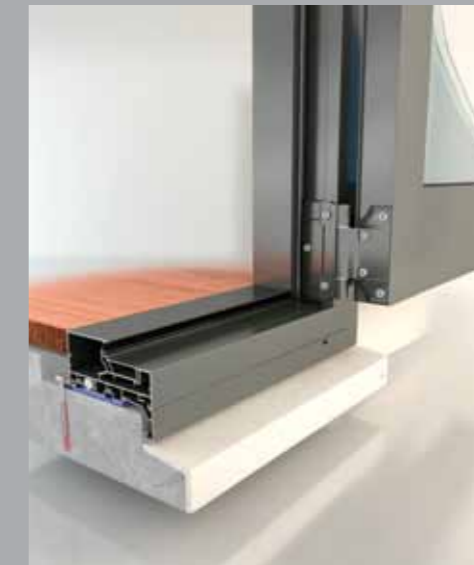
- Open In/Open Out configurations
- Parliament hinge option for Brick Veneer claddings
- Wide and narrow stile options
- Square styling
- Concealed fixing

Hinged & French Doors			
SovereignSeries™	Requirement	Actual Performance	Comments
Water Pressure*	375pa	1000pa# 450pa##	
Air Pressure	1760pa UWP (VH)	2300pa UWP	
Height/Frame		2.6m*	Depending on wind load
Panel Width		0.9m	Depending on wind load
Glazing		4-24mm glass	Maximum
Frame Size		100mm	
Panel Weight		60kg	Maximum
Panel Thickness		41mm	
Sills		Flush	
Seals		Concealed	
R cog Value***		0.62**	Argon gas Low E 5/12/4

* In very high wind zone. ** This is not an inframe measure. *** Centre of glass.

Open Out Door

Open In Door



Hinged Door with flange



Sliding & Stacker Doors

Square styling and a flush sill design forms the basis of SovereignSeries™ Sliding and Stacker Doors from Nulook.

Bottom rolling on a structural grade (6261) anodised aluminium track makes for smooth, easy opening and closing.

Features include:

- Optional flange facings 25mm or 35mm
- 36mm door panels can accommodate up to 24mm double glazing for improved insulation performance
- Low profile sill threshold
- Concealed fixing

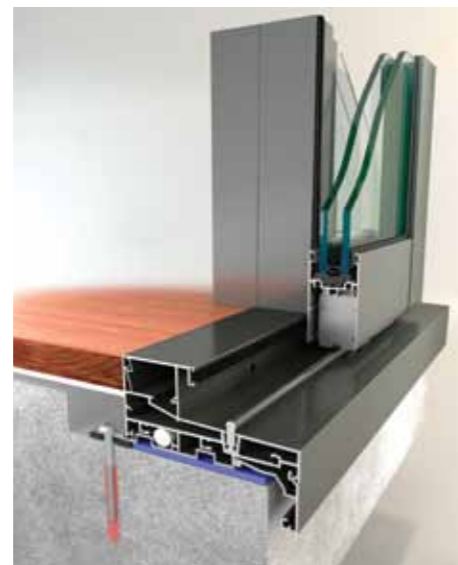
Sliding Door			
SovereignSeries™	Requirement	Actual Performance	Comments
Water Pressure*	375pa	1500pa	
Air Pressure	1760pa UWP (VH)	2500pa UWP	
Height/Frame		2.7m*	Depending on wind load
Panel Width		2.2m	Using the wide rail, depending on glass weight
Glazing		4-24mm glass	Maximum
Frame size		100mm	
Panel Weight		200kg	Maximum
Panel Thickness		36mm	
Sills		Flush	
Seals		Concealed	
R cog Value***		0.62**	Argon gas Low E 5/12/4

Stacker Door			
SovereignSeries™	Requirement	Actual Performance	Comments
Water Pressure*	375pa	600pa	
Air Pressure	1760pa UWP (VH)	2300pa UWP	
Height/Frame		2.7m*	Depending on wind load
Panel Width		2.2m	Using the wide rail, depending on glass weight
Glazing		4-24mm glass	Maximum
Frame Size		140mm	
Panel Weight		200kg	Maximum
Panel Thickness		36mm	
Sills		Flush	
Seals		Concealed	
R cog Value***		0.62**	Argon gas Low E 5/12/4

* In very high wind zone. ** This is not an inframe measure. *** Centre of glass.



Sliding Door without flange



Sliding Door with flange



Stacker Door without flange

Glazing Performance Chart

Glass Type	% UV Elimination	U Value	R Value	Heat Loss Reduction %	Solar Heat Gain Coefficient	Perceived Sound Reduction %	
4mm Clear Float	32%	5.88	0.17	0%	0.85	10%	
Laminate							
7mm Soundstop Laminate	3/1/3	99%	5.7	0.18	3%	0.77	50%
6.38mm Laminate		99%	5.7	0.18	3%	0.79	35%
IGU (Double Glazing)							
Standard IGU	4/12/4	48%	2.73	0.37	52%	0.74	20%
Clear - Laminate	6.4/12/4	99%	2.68	0.37	54%	0.71	55%
Argon Gas	4/12/4	48%	2.56	0.39	56%	0.74	20%
Low E ***	4/12/4	58%	1.9	0.53	68%	0.69	20%
Argon Gas & Low E ***	5/12/4	58%	1.62	0.62	72%	0.70	20%
Tinted IGU (Double Glazing)							
Grey	5/12/4	79%	2.73	0.37	54%	0.50	22%
Bronze	5/12/5	77%	2.73	0.37	54%	0.56	22%
Green	5/12/6	72%	2.72	0.37	54%	0.53	22%
Arctic Blue	6/12/6	81%	2.7	0.37	54%	0.41	22%

- U Value is the measure of air to air heat transmission due to thermal conductance of material and difference of indoor and outdoor temperature as a centre of glass value ($W/m^2 \text{ } ^\circ C$)
- R Value is the value of thermal resistance of a building element ($M^2 \text{ } ^\circ C/W$)
- Solar heat gain Coefficient. The measure of total solar energy transmittance entering a building through the glazing as heat gain
- Perceived Sound Reduction: the % by which the human ear detects a lessening of sound or noise. A 10db reduction is generally perceived as halving original noise. Base is 3mm clear float

*** Low E (emissivity) Glass. Thin film of metallic oxide coating that allows the passage of short wave energy into a building but prevents long-wave energy produced by heating systems and lighting from escaping outside.

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