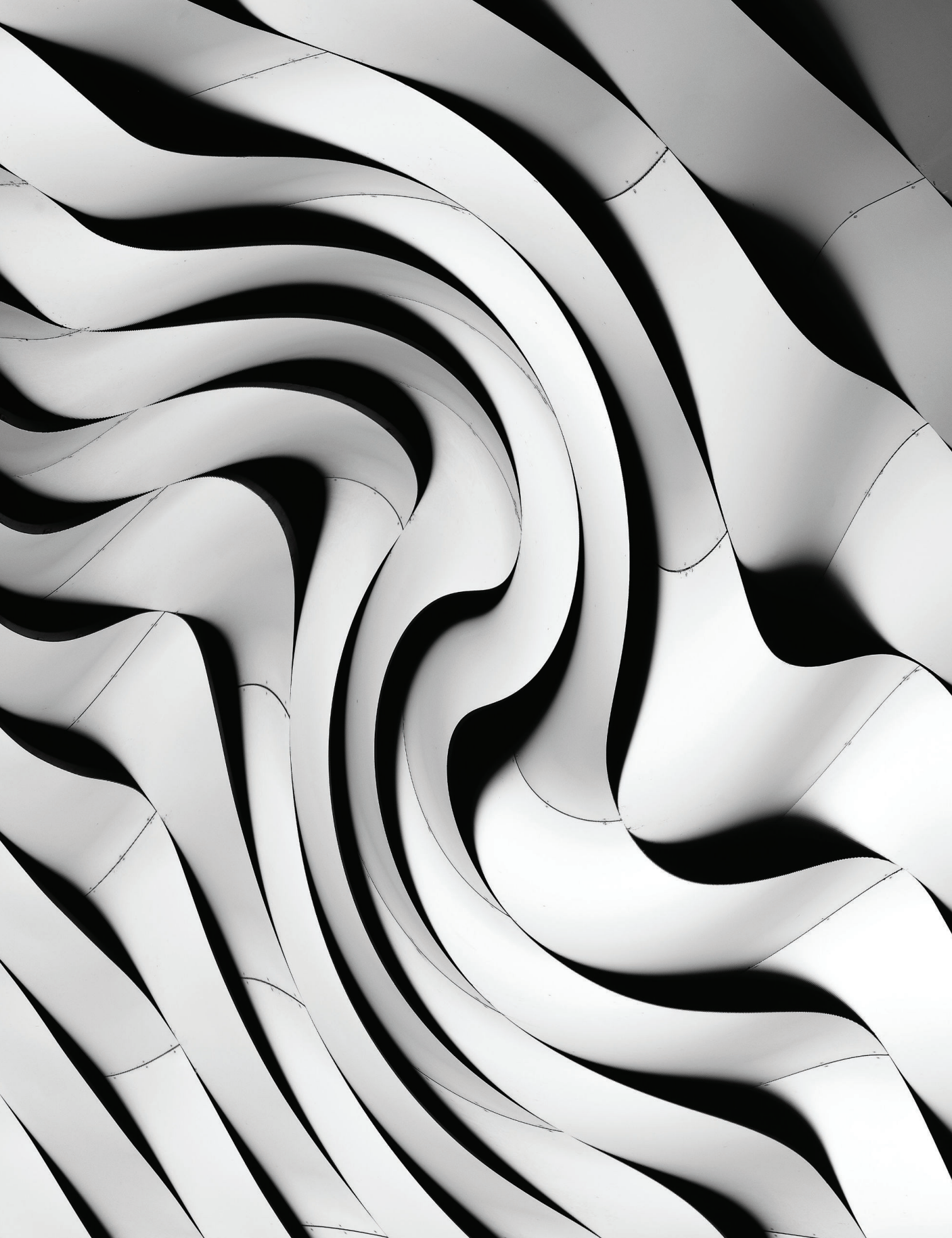


aliplast[®]

Aluminium System

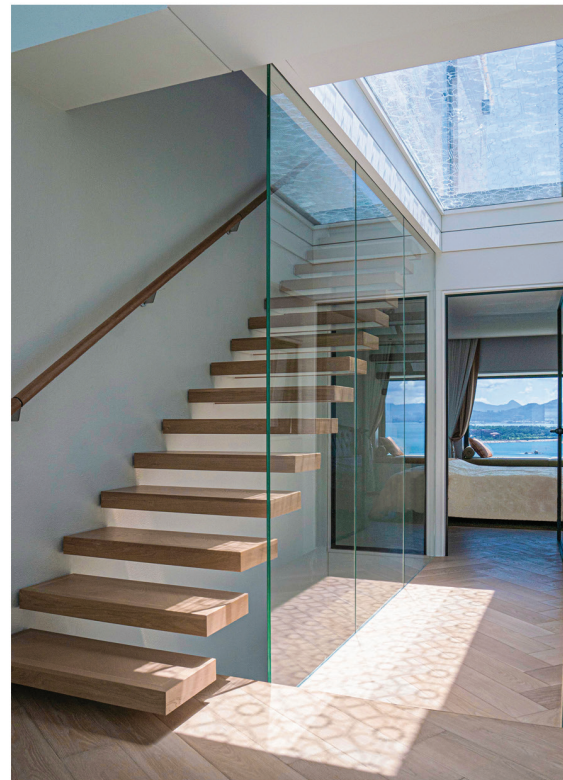




Aliplast Aluminium










Established in 1984, Aliplast Aluminium is a modern and efficient Belgium aluminium production company that is part of the Corialis group. Our 60,000 m² surface is located in Lokeren, between Ghent & Antwerp. We have established subsidiary companies in France, UK, Poland and China. Aliplast Aluminium has through the years grown into one of the leading players on the international market for developing and producing aluminium systems for windows, doors, conservatories, sliding systems and curtain facades. We consider product innovation, design, technical competence and quality to be of paramount importance.

Its SMART Architectural Aluminium is renowned in the fenestration industry for its ethos of quality in design and development. Our expertise and reputation is built from over 30 years of experience in designing and supplying quality assured aluminium profile systems to the window and door industry. It is this experience and reputation for excellence that has made SMART Systems the European's leading supplier of aluminium window and door systems.



Why Aluminium?

Aluminium is not only modern and elegant, but has on top of that a lot more advantages, discover the advantages of aluminium:

 Elegant and modern	 Available in countless colours	 Different textures/structures possible
 100% green and frequently recyclable	 10 year MARINE guarantee on colors	 Light, but naturally strong
 Energy efficient	 Endless aesthetic possibilities	 Durable

WINDOWS & DOORS

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- VL 50 (VL-Visoline)	12
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FOLDING DOOR

- New Panorama	16-17
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SLIDING SYSTEMS

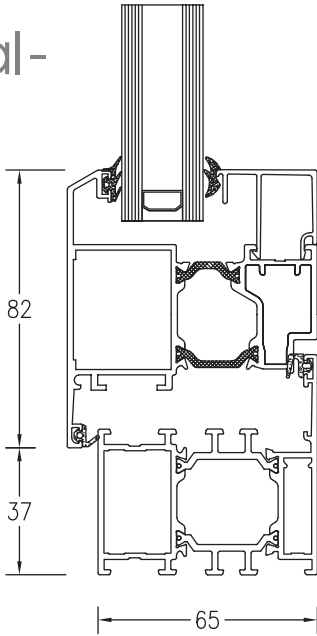
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WINDOWS & DOORS



WINDOWS & DOORS -







EcoFutual-
EF65



Eco-Futural is a versatile range of high performance windows and doors suitable for use as tilt turn, pivot casement, fixed and open out casement windows.

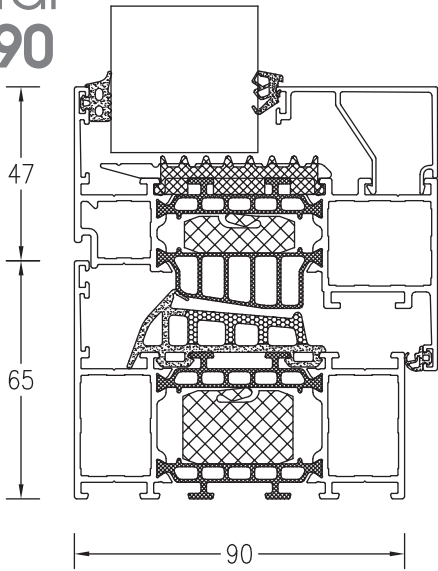
It is a new highly insulated 3 chambers for aluminium window and door system. The profiles for this series are constructed from 2 aluminium extrusions separated from one another by polyamide strips PA6.6.25 reinforced with glass fibre.

Aluminium profiles feature chambered polyamide thermal breaks that provide excellent thermal performance.

TECHNICAL CHARACTERISTICS			PERFORMANCES	
		FUNCTIONAL		
Min.visible width inward opening window	Frame	50mm	 Acoustic performance	≤ 40dB
	Vent	42mm	 Air tightness	class 4
Min.visible width inward flush door	Frame	65mm	 Water tightness	Up to 900Pa (class E900)
	Vent	70mm	 Thermal insulation	Uf ≥ 1.5W/m²k
Overall system depth window	Frame	65mm	 Anti-burglar	WK2 / WK3
	Vent	74mm	 Wind load resistance	Up to 3000Pa
Rebate height		22mm		
Glass thickness	up to 51mm	up to 51mm		







WINDOWS & DOORS -

GT-Star-
Star 90



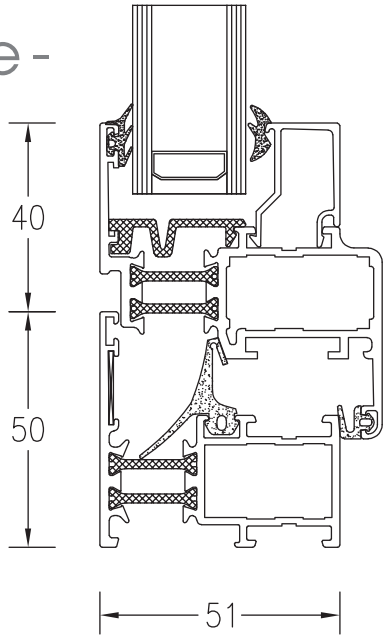
Star series represents the highest level of European window & door system. Wider thermal insulation chamber, more insulation strip, wider glazing, foam seal on thermal insulation and the PEX on glazing makes the heat-insulating property of Star series the top products worldwide.

The profiles of this series with high MOI and strengthen measures, suitable for producing large division and large opening window & doors.

TECHNICAL CHARACTERISTICS			PERFORMANCES	
		FUNCTIONAL		
Min.visible width inward opening window	Frame	55mm	 Acoustic performance	≤ 48(-2;-4)dB
	Vent	42.5mm	 Air tightness	class 4
Min.visible width inward flush door	Frame	70mm	 Water tightness	Up to 900Pa (class E900)
	Vent	70mm	 Thermal insulation	Uf ≥ 0.86W/m²k
Overall system depth window	Frame	90mm	 Anti-burglar	WK2 / WK3
	Vent	99mm	 Wind load resistance	Up to 4000Pa
Rebate height		25mm		
Glass thickness	up to 51mm	11mm~73mm		







WINDOWS & DOORS -

Visoline -
VL50



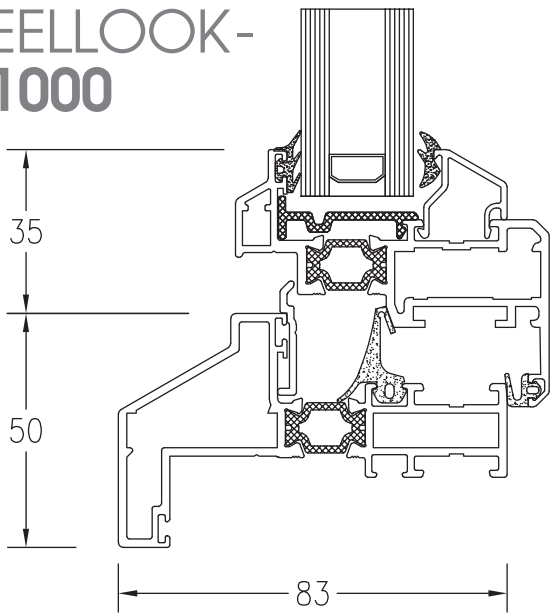
Standard series of profiles with thermal break, used for most traditional door and window applications in houses and industrial buildings.

TECHNICAL CHARACTERISTICS		
		FUNCTIONAL
Min.visible width inward opening window	Frame	50mm
	Vent	32mm
Min.visible width inward flush door	Frame	79mm
	Vent	64mm
Overall system depth window	Frame	51mm
	Vent	60mm
Rebate height		22mm
Glass thickness		4mm~37mm

PERFORMANCES	
 Acoustic performance	≤ 38dB(-2;-5)
 Air tightness	class 4
 Water tightness	Up to 750Pa
 Thermal insulation	Uf ≥ 2.2W/m²k
 Anti-burglar	WK2 / WK3
 Wind load resistance	Up to 3000Pa







WINDOWS & DOORS -

STEELLOOK-
ST1000



This series of high quality profiles with thermal break are applicable where more severe standards of acoustic and thermal insulation are required. The steellook is different from other window systems due to its slim sight lines that mimic those common to steel profiles.

TECHNICAL CHARACTERISTICS		
		FUNCTIONAL
Min.visible width inward opening window	Frame	50mm
	Vent	55mm
Min.visible width inward flush door	Frame	50mm
	Vent	93mm
Overall system depth window	Frame	90mm
	Vent	74.5mm
Rebate height		15mm
Glass thickness		5mm~40mm

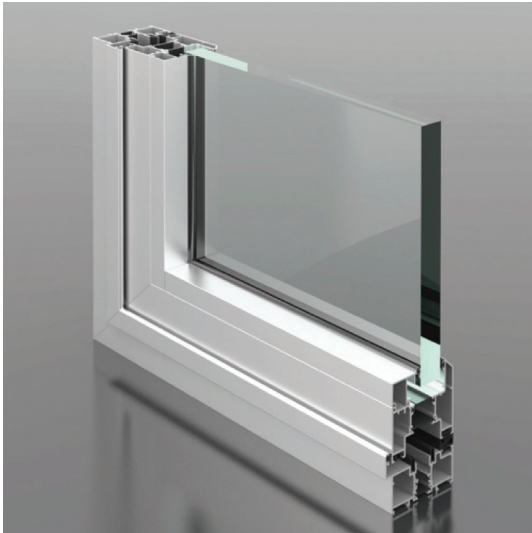
PERFORMANCES	
 Acoustic performance	≤ 30dB
 Air tightness	class 3
 Water tightness	Up to 1000Pa
 Thermal insulation	Uf ≥ 2.56W/m²k
 Anti-burglar	WK2 / WK3
 Wind load resistance	Up to 2000Pa

FOLDING DOOR



FOLDING DOOR -

New Panorama








The folding door system with thermal break allows you to create large passages. The system is built up using a frame in which moveable parts or elements are placed in such a way that it is possible to fold the elements to the left or right.

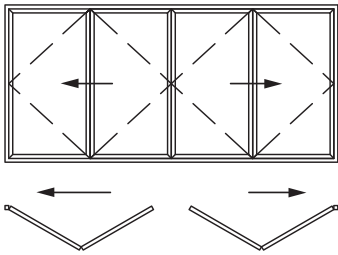
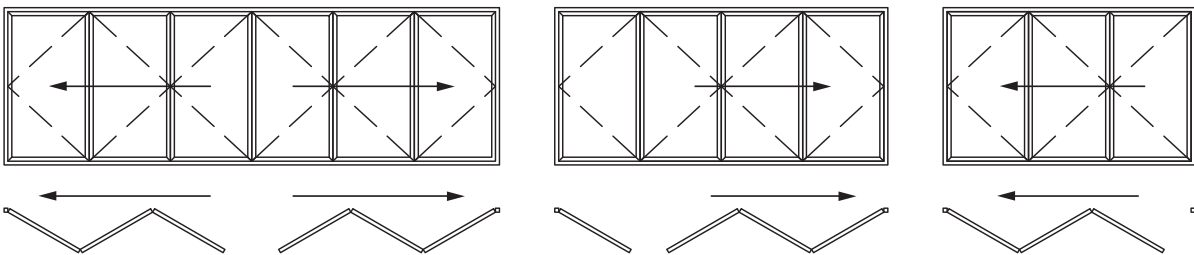
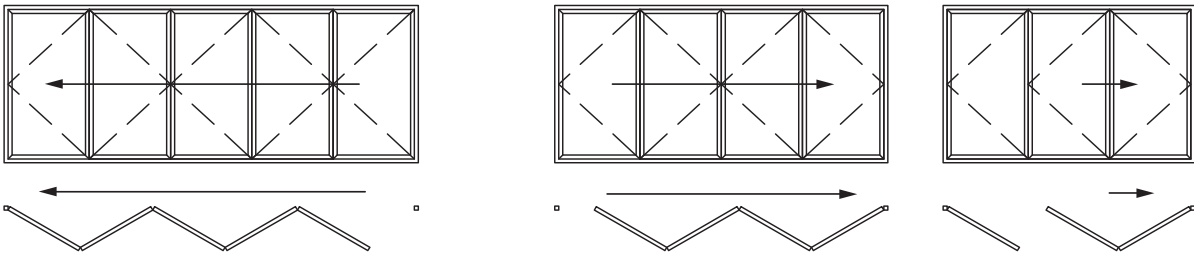
The elements or sashes are supported and hinged to a mullion. At the bottom of mullion is supported by a roller mechanism which slides along with the sill profile while at the top, the mullion is guided by another roller mechanism. There are several possible combinations of elements and opening sashes.

Folding door with thermal break. The vents can be attached directly to each other. Extra reinforcement is possible

TECHNICAL CHARACTERISTICS		
Style variants		Panorama
Max. size folding door (per sash)	Height	2500mm
	Width	1200mm
	Sash Weight	100kg
Overall system depth window	Frame	70mm
	Vent	74.5mm
Glass thickness		24-36mm
Glazing method		EPDM

PERFORMANCES	
 Air tightness	class 4
 Water tightness	Up to 750Pa
 Thermal insulation	$U_f \geq 1.5W/m^2k$
 Anti-burglar	PAS 24:2012
 Wind load resistance	Up to 1800Pa

CONFIGURATIONS DRAWINGS

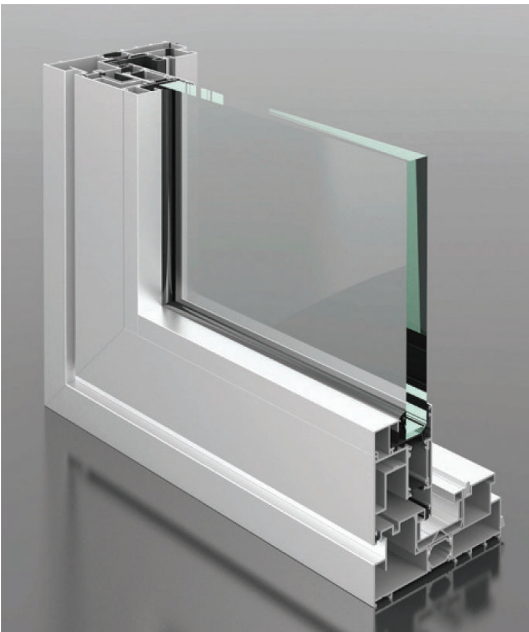
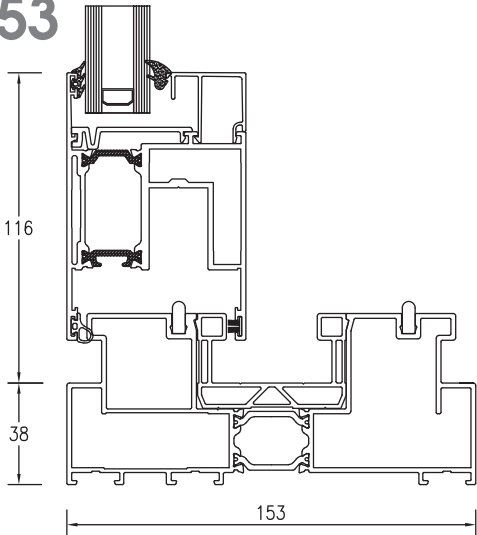


SLIDING SYSTEMS









SLIDING SYSTEMS -

Ultraglide-
UG153

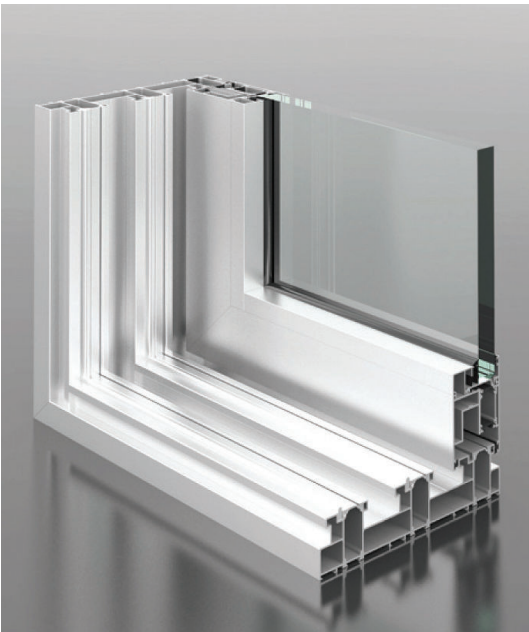
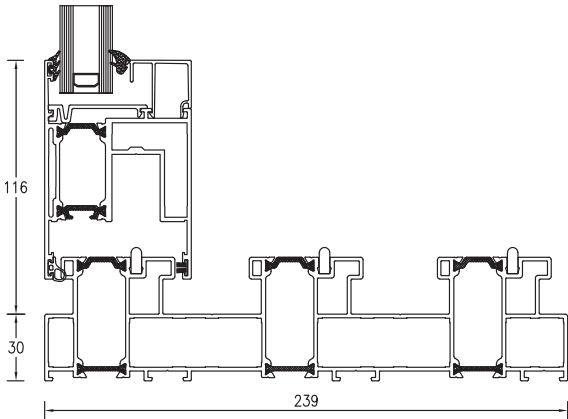


Sliding system with thermal break (maximum leaf weight 300kg)
Lift and slide system with thermal break (maximum leaf weight 400kg)
Ultraglide is available in a variety of applications; We offer a flat Ultraglide threshold, but also Ultraglide post with 90°







TECHNICAL CHARACTERISTICS			PERFORMANCES	
Style variants		UG 153	 Acoustic performance	42(-1;-5)dB
Visible width/height	Frame	64mm	 Air tightness	class 4
	Horizon vent	100mm	 Water tightness	Up to 900Pa
	Vertical vent	100mm		
	Meeting section	100mm	 Thermal insulation	Uf ≥ 1.9W/m²k
Overall system depth	Frame	153mm	 Anti-burglar	WK2
	Vent	67mm		
Glass thickness		6mm~53mm	 Wind load resistance	Up to 3000Pa
Glazing method		EPDM		

SLIDING SYSTEMS -

Ultraglide-
UG239

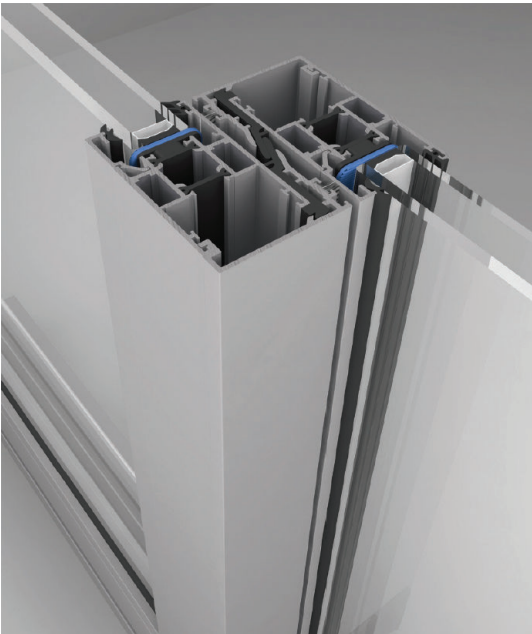
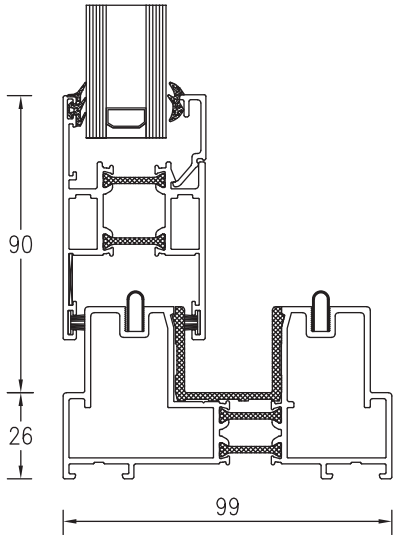


Sliding system with thermal break (maximum leaf weight 300kg)
Lift and slide system with thermal break (maximum leaf weight 400kg)
Ultraglide is available in a variety of applications; We offer a flat Ultraglide threshold, but also Ultraglide post with 90°

TECHNICAL CHARACTERISTICS			PERFORMANCES	
Style variants		UG 239	 Acoustic performance	42(-1;-5)dB
Visible width/height	Frame	64mm	 Air tightness	class 4
	Horizon vent	100mm	 Water tightness	Up to 900Pa
	Vertical vent	100mm		
	Meeting section	100mm	 Thermal insulation	Uf ≥ 1.9W/m²k
Overall system depth	Frame	239mm	 Anti-burglar	WK2
	Vent	67mm		
Glass thickness		6mm~53mm	 Wind load resistance	Up to 3000Pa
Glazing method		EPDM		






SLIDING SYSTEMS -

VISOGLIDE-
VG 100



Visoglide is a versatile thermal insulated aluminium sliding system with internal beads. It is suitable for domestic, light, medium, heavy duty commercial applications.

TECHNICAL CHARACTERISTICS		
Style variants		VG 100
Visible width/height	Frame	52mm
	Horizon vent	74mm
	Vertical vent	74mm
	Meeting section	74mm
Overall system depth	Frame	99mm
	Vent	43mm
Glass thickness		5mm~29mm
Glazing method		EPDM

PERFORMANCES	
 Acoustic performance	35dB
 Air tightness	class 4
 Water tightness	Up to 600
 Thermal insulation	$U_f \geq 3.2W/m$
 Wind load resistance	Up to 2500



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