

Product Overview

Axis Tower, Tbilisi, Georgia
Architect: Nino Mesulishvili, Nikoloz Kilasonia, Alexander Mezhdzevze, Gegia Asakhsishvili
Photo: Tamar Dighmelashvili



Reynaers
Aluminium

Windows.
Doors.
Façades.

Together for better

www.reynaers.com



The Giving Tree, California, USA
Architect: Faulkner Architects
Photo: Joe Fletcher Photography



Reynaers
Aluminium

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*Non-insulated system

Welcome to Reynaers Aluminium

For over 50 years, Reynaers Aluminium has been designing cutting-edge glazing solutions for some of the most iconic buildings in the world. Engineered without compromise, our range of aluminium windows, doors and curtain wall systems have been specified time and again by the world's leading architects and construction companies.

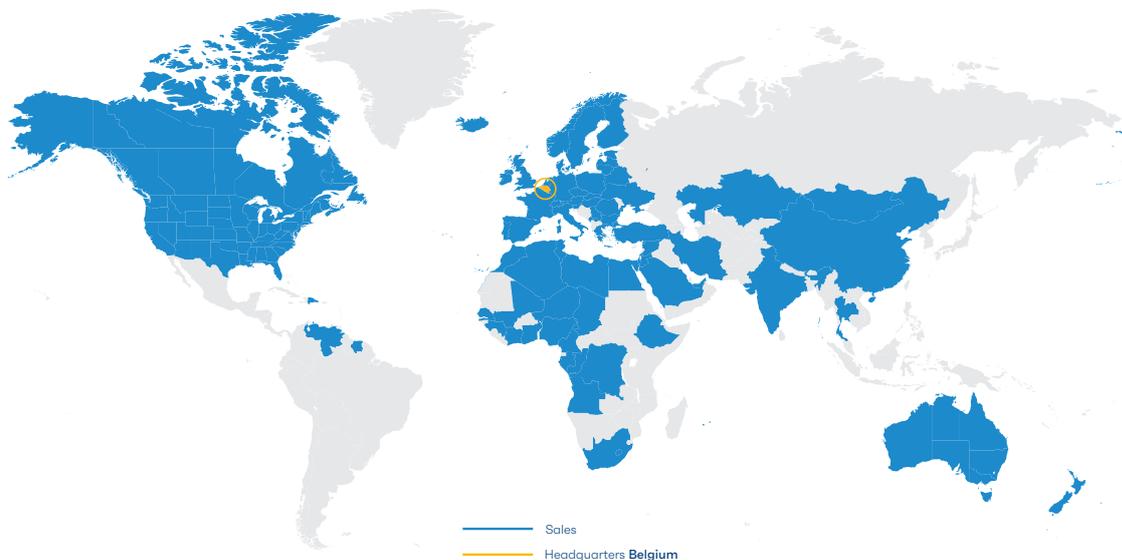
Reynaers Aluminium is recognised globally for the premium quality of its products. To help us maintain this reputation, we have invested in a world-class design and testing facility. When you choose Reynaers Aluminium products, you can rest assured that you are choosing a product that will not only look great, but will also offer industry-leading performance and reliability.

Together for better

This is our motto. We want to be a true business partner, sharing our worldwide knowledge with fabricators, architects and other stakeholders. With our open and proactive collaboration approach we can realize the highest standards and get the best results in any project, big or small, together.

Ready for the future

Reynaers Aluminium is the market leader in Belgium and we have acquired a strong market position in over 40 countries, each with its own offices.



The Reynaers Campus is the corporate headquarters of Reynaers and is located in Duffel (Belgium). The Reynaers Campus is the inspiring and dynamic work environment of all Reynaers Aluminium employees and a place for partners to experience the latest products and innovations in full interactivity.

At the Reynaers Campus, you can visit the Experience Centre that is designed to bring people together and inspire you with our latest solutions and state-of-the-art technologies for architectural building solutions. In the Experience Room, you can discover our unique offering, assisted by inspiring digital applications. For a full immersive experience, a visit to Avalon can be booked where you can visit future buildings through a shared virtual reality experience.

In addition to these facilities, the Reynaers Campus also includes the Technology Centre, one of the largest



privately owned innovation and testing centres, for the validation of architectural and high-tech window, door and façade concepts. One of the showpieces of the Technology Centre is a state-of-the-art testing wall for façades with a height of 15 metres, allowing air-wind-water testing of multi-storey façades. This part of the Reynaers Campus also accommodates the 'R-Lab'; our dedicated lab for prototyping and 3D printing, resulting in faster and more accurate R&D tracks.



Impressive growth

Reynaers Aluminium is part of Reynaers Group. This international group has experienced steady growth in the last 30 years. Reynaers Aluminium is considered by all players in the industry as one of the leaders in its business. In 2022, Reynaers Group achieved a turnover of 756 million euros and counted over 2,600 employees across the world.



Private House, Vilnius, Lithuania
Architect: Arunas Liola
Photography: Evaldas Lasys



MasterLine 10



SlimLine 38



ConceptSystem 77



MasterLine 8



SlimLine 68



ConceptSystem 59Pa

Windows & Doors



EcoSystem 50

Design

Windows & Doors

WINDOWS	MasterLine		SlimLine		ConceptSystem		EcoSystem
	10	8	38	68	77	59Pa	50
FUNCTIONAL 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HIDDEN VENT 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		
RENAISSANCE 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
DECO 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
CUBIC 			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
FERRO 			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
CLASSIC 			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
SOFTLINE 					<input checked="" type="checkbox"/>		



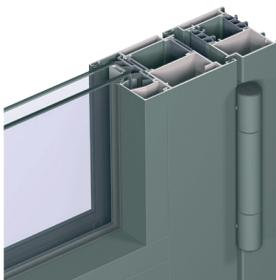
DOORS

MasterLine		SlimLine		ConceptSystem			EcoSystem	
10	8	38	68	77	77-FP	77-BP	59Pa	50

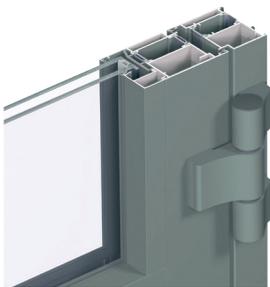
CONCEALED HINGES



BARREL HINGES



SURFACE MOUNTED HINGES



expected in 2023 
 available 

Performance

Windows & Doors

WINDOWS	MasterLine		SlimLine		ConceptSystem			EcoSystem	
	10	8	38	68 ⁽³⁾	77	77-FP	77-BP	59Pa	50
SAFETY VARIANTS									
 Burglary Proof	■	■	■	■	■		■	■	■
 Fire Proof		■	■ ⁽⁴⁾			■			
 Bullet Proof							■		
Smoke leakage control						■			
SUSTAINABILITY									
 High Insulation variant	■	■	■	■	■				
 Passive House Institute Certified component	■								
 Minergie label		■			■				
 Cradle To Cradle	■	■	■		■				
 Recycled Thermal Break	■								
MINIMAL VISIBLE WIDTH FRAME/VENT									
	104 mm	97 mm	67 mm	65 mm	89 mm	150 mm	128 mm	85 mm	100 mm
PERFORMANCES									
 Insulation smallest frame/vent section (Uf value ≥ ...)	0,93 W/m²K	1,6 W/m²K	1,8 W/m²K	2,4 W/m²K	1,8 W/m²K	2,3 W/m²K	2,2 W/m²K	-	2,3 W/m²K
 Air tightness Class (value in Pa)	4 (600 Pa)	4 (600 Pa)	4 (600 Pa)	4 (600 Pa)	4 (600 Pa)	4 (600 Pa)	4 (600 Pa)	4 (600 Pa)	3 (600 Pa)
 Wind load resistance Class (value in Pa)	C4 (1600 Pa)	C5 (2000 Pa)	C4 (1600 Pa)	C5 (2000 Pa)	C5 (2000 Pa)	C5 (2000 Pa)	C5 (2000 Pa)	C5 (2000 Pa)	C4 (1600 Pa)
 Water tightness Class (value in Pa)	E900 (900 Pa)	E900 (900 Pa)	9A (600 Pa)	E1200 (1200 Pa)	E900 (900 Pa)	9A (600 Pa)	9A (600 Pa)	E750 (750 Pa)	9A (600 Pa)

Performances and properties depend on size, profile combinations, hardware and infill choices.

- (1) Panel door only
- (2) Window door
- (3) Outside opening only
- (4) Dutch standard only
- (5) All inward opening doors

Check CE passport for the most recent data

DOORS	MasterLine		SlimLine		ConceptSystem			EcoSystem	
	10 ⁽²⁾	8	38	68 ⁽³⁾	77	77-FP	77-BP	59Pa	50
SAFETY VARIANTS									
Burglary Proof	■	■	■		■	■	■	■	■
Fire Proof		■	■			■			
Bullet Proof							■		
Smoke leakage control						■			
SUSTAINABILITY									
High Insulation variant	■	■	■		■				
Passive House Institute Certified component		■ ⁽¹⁾							
Minergie Label									
Cradle To Cradle	■	■	■		■				
Recycled Thermal Break	■								
MINIMAL VISIBLE WIDTH FRAME/VENT									
	104 mm	97 mm	67 mm	n/a	89 mm	150 mm	128 mm	85 mm	100 mm
PERFORMANCES⁽⁵⁾									
Insulation smallest frame/vent section (Uf-value ≥ ...)	0.89 W/m²K	1.3 W/m²K	1.6 W/m²K	n/a	1.8 W/m²K	2.2 W/m²K	2.8 W/m²K	-	3.2 W/m²K
Air tightness Class (value in Pa)	4 (600 Pa)	4 (600 Pa)	2 (300 Pa)	n/a	4 (600 Pa)	4 (600 Pa)	4 (600 Pa)	-	3 (600 Pa)
Wind load resistance Class (value in Pa)	C3 (1200 Pa)	C2 (800 Pa)	C3 (1200 Pa)	n/a	C2 (800 Pa)	C2 (800 Pa)	C5 (2000 Pa)	-	C2 (800 Pa)
Water tightness Class (value in Pa)	9A (600 Pa)	8A (450 Pa)	5A (200 Pa)	n/a	7A (300 Pa)	7A (300 Pa)	9A (600 Pa)	-	4A (150 Pa)

expected in 2023 ■
available ■

Opening Types

Windows & Doors

WINDOWS	MasterLine		SlimLine		ConceptSystem		EcoSystem
	10	8	38	68	77	59Pa	50
	■	■	■		■	■	■
	■	■	■		■	■	■
	■	■	■		■	■	■
	■	■	■		■	■	■
	■	■			■	■	■
	■	■	■	■	■	■	■
	■	■	■	■	■	■	■
		■			■		
	■	■	■		■	■	■
	■	■			■	■	■
	■	■			■	■	■
	■	■	■		■	■	■
	■	■	■		■	■	■

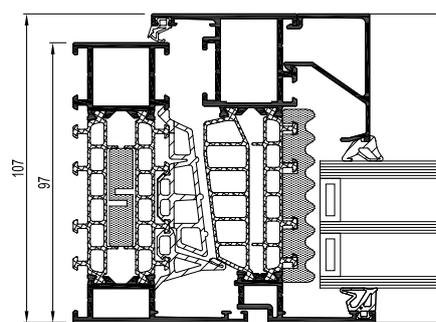
Architect: Mark Van Acker
 Photo: Debbie De Brauwver



DOORS	MasterLine		SlimLine		ConceptSystem			EcoSystem
	10	8	38	68	77	77-FP	59Pa	50
	■	■	■		■	■	■	■
	■	■	■		■	■	■	■
	■	■	■		■	■	■	■
	■	■	■		■	■	■	■
					■		■	■
		■			■		■	■
		■			■		■	■
					■		■	■
		■			■		■	■
		■						
		■			■			
		■			■			
		■						

MasterLine 10

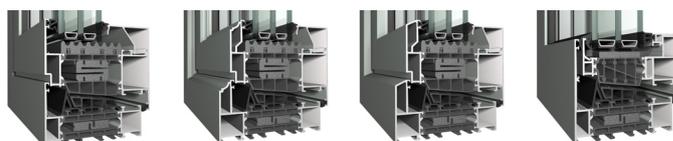
Windows



No compromise

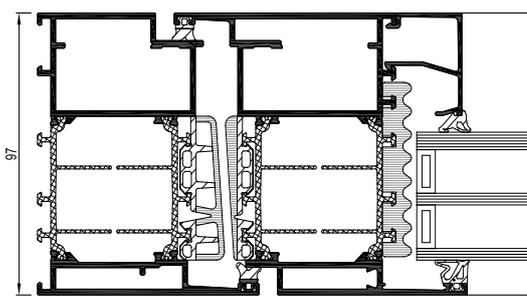
MasterLine 10 aluminium windows fit the building trends of today and tomorrow. The Passive House-certified solution is ideal for low-energy building, as it combines maximum daylight access, optimal performance, and safety without compromise.

- One of our most sustainable solutions
- Best value for money amongst passive house certified systems
- Several design options available, including Hidden Vent



PROPERTIES		FUNCTIONAL	RENAISSANCE	DECO	HIDDEN VENT
Min. visible width inward opening window	Frame	60 mm	60 mm	60 mm	80 mm
	Vent	37 mm	37 mm	37 mm	-
Min. visible width inward opening window-door	Frame	60 mm	60 mm	60 mm	n/a
	Vent	67 mm	67 mm	67 mm	n/a
Overall system depth window	Frame	97 mm	107 mm	107 mm	97 mm
	Vent	107 mm	107 mm	107 mm	100 mm
Rebate height		27 mm	27 mm	27 mm	22.5 mm
Glass thickness	Frame	up to 78 mm	up to 78 mm	up to 78 mm	78 mm
	Vent	up to 88 mm	up to 88 mm	up to 88 mm	77 mm
PERFORMANCE					
Thermal insulation (Uf value)		Down to 0.76 W/m²K			Down to 0.82 W/m²K
Acoustic performance (Rw (C; Ctr))		46 (-1; -4) dB			47 (-1; -5) dB
Air tightness		Up to 600 Pa (class 4)			Up to 600 Pa (class 4)
Wind load resistance		Up to 1600 Pa (class 4)			Up to 2000Pa (class 5)
Water tightness		Up to 900 Pa (class E900)			Up to 900 Pa (class E900)
Burglar resistance		Up to RC 3 (EN 1627)			RC 2

Performances and properties depend on size, profile combinations, hardware and infill choices.



MasterLine 10

Doors



No compromise

MasterLine 10 aluminium doors are the perfect match for low-energy and passive building projects thanks to their sustainable design and excellent safety levels. The system's patented technology ensures minimal draft and optimal thermal insulation.

- Best value for money amongst passive house certified systems
- One of our most sustainable solutions
- Several design options available



PROPERTIES

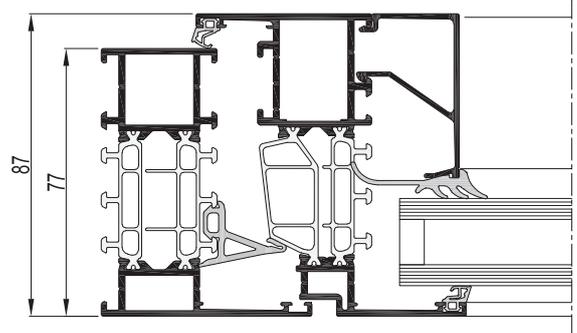
		BALCONY DOOR	TERRACE DOOR	FLUSH DOOR
Min. visible width inward opening door	Frame	60 mm	60 mm	83.5 mm
	Vent	37 mm	67 mm	71.5 mm
Overall system depth window	Frame	97 mm	97 mm	97 mm
	Vent	107 mm	107 mm	97 mm
Rebate height		27 mm	27 mm	27 mm
Glass thickness	Frame	up to 78 mm	up to 78 mm	up to 78 mm
	Vent	up to 88 mm	up to 88 mm	up to 78 mm

PERFORMANCE

Thermal insulation (Uf value)	Down to 0.79 W/m ² K	Down to 0.79 W/m ² K	Down to 0.89 W/m ² K
Acoustic performance (Rw (C; Ctr))	-	-	40 (-1; -5) dB
Air tightness	Up to 600 Pa (class 4)	-	Up to 600 Pa (class 4)
Wind load resistance	Up to 1200 Pa (class 3)	-	Up to 1200 Pa (class 3)
Water tightness	Up to 600 Pa (class 9A)	-	Up to 600 Pa (class 9A)
Burglar resistance	-	-	Up to RC 2 (EN 1627)

MasterLine 8

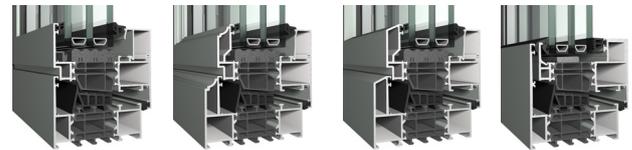
Windows



Crafted for masters

MasterLine 8 is a high-quality window system that links countless design options to best-in-class performance and unrivalled production speed. This next generation of aluminium windows is available in three insulation levels to match any project demands.

- Our flagship product, with a wide field of applicability
- Excellent thermal and AWW performance
- Highly competitive price-quality ratio



PROPERTIES		FUNCTIONAL	RENAISSANCE	DECO	HIDDEN VENT
Min. visible width inward opening window	Frame	53 mm	53 mm	53 mm	80 mm
	Vent	37 mm	37 mm	37 mm	-
Min. visible width inward opening window-door	Frame	60 mm	60 mm	60 mm	n/a
	Vent	67 mm	67 mm	67 mm	n/a
Overall system depth window	Frame	77 mm	87 mm	87 mm	77 mm
	Vent	87 mm	87 mm	87 mm	80 mm
Max vent height		2800 mm	2800 mm	2800 mm	2800 mm
Max vent weight		200 kg	200 kg	200 kg	150 kg
Rebate height		27 mm	27 mm	27 mm	27 mm
Glass thickness	Frame	up to 62 mm	up to 62 mm	up to 62 mm	up to 62 mm
	Vent	up to 72 mm	up to 62 mm	up to 62 mm	up to 65 mm
PERFORMANCE					
Thermal insulation (Uf)		Down to 1.0 W/m²K	Down to 1.0 W/m²K	Down to 1.0 W/m²K	Down to 1.3 W/m²K
Acoustic performance (Rw (C; Ctr))		45 (-1; -4) dB	45 (-1; -4) dB	45 (-1; -4) dB	49 (-1; -5) dB
Air tightness		600 Pa (class 4)	600 Pa (class 4)	600 Pa (class 4)	600 Pa (class 4)
Wind load resistance		2000 Pa (class 5)	2000 Pa (class 5)	2000 Pa (class 5)	2000 Pa (class 5)
Water tightness		1200 Pa (class E1200)	1200 Pa (class E1200)	1200 Pa (class E1200)	900 Pa (class E900)
Burglar resistance		RC 3 (EN 1627) + PAS 24	RC 3 (EN 1627) + PAS 24	RC 3 (EN 1627) + PAS 24	RC 2 (EN 1627)

Performances and properties depend on size, profile combinations, hardware and infill choices.



Varso 1 & 2, Warsaw, Poland
 Architect: Hermanowicz Rewski Architekci (HRA)



OUTWARD
OPENING



VENTILATION
VENT



PIVOT
WINDOW

PROPERTIES

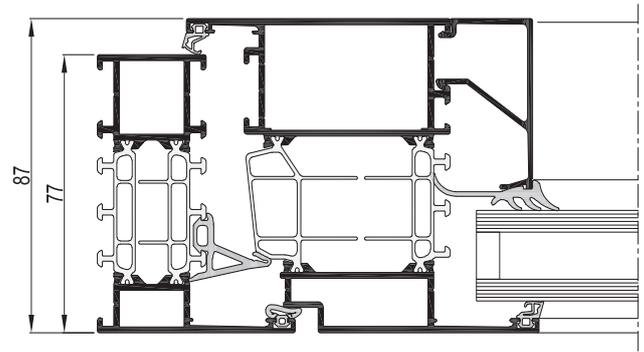
		OUTWARD OPENING	VENTILATION VENT	PIVOT WINDOW
Min. visible width window	Frame	27 mm	53 mm	64 mm
	Vent	118 mm	105 mm	89 mm
Overall system depth window	Frame	77 mm	77 mm	77 mm
	Vent	87 mm	87 mm	86 mm
Max vent height		2400 mm	2800 mm	2500 mm
Max vent weight		130 kg	-	200 kg
Rebate height		27 mm	n/a	25 mm
Glass thickness	Frame	up to 62 mm	n/a	n/a
	Vent	up to 72 mm	n/a	up to 61 mm

PERFORMANCE

Thermal insulation (Uf)	Down to 1.0 W/m ² K	Down to 1.0 W/m ² K	Down to 1.9 W/m ² K
Acoustic performance (Rw (C; Ctr))	40 (-1; -4) dB	45 (-1; -4) dB	41 (-1; -3) dB
Air tightness	Up to 600 Pa (class 4)	Up to 600 Pa (class 4)	Up to 600 Pa (class 4)
Wind load resistance	Up to 2000 Pa (class 5)	Up to 1600 Pa (class 4)	Up to 1600 Pa (class 4)
Water tightness	Up to 900 Pa (class E900)	Up to 600 Pa (class 9A)	Up to 600 Pa (class 9A)
Burglar resistance	Up to RC 2 (EN 1627) + PAS 24	Up to RC 2 (EN 1627)	-

MasterLine 8

Doors



Crafted for masters

MasterLine 8 aluminium doors offer excellent levels of safety, thermal insulation, and stability. The high-quality door series can reach Passive House-levels of insulation, which makes it ideal for sustainable renovations and new-builds.

- Our flagship product, robust and versatile
- Excellent thermal and AWW performance
- Highly competitive price-quality ratio



PROPERTIES

		BALCONY DOOR	FLUSH DOOR	PIVOT DOOR
Min. visible width inward opening door	Frame	60 mm	68.5 mm	68.5 mm
	Vent	37 mm	78.5 mm	104.5 mm
Overall system depth window	Frame	77 mm	77 mm	77 mm
	Vent	87 mm	77 mm	77 mm
Max vent height		2800 mm	3000 mm	2400 mm
Max vent weight		130 kg	250 kg	200 kg
Rebate height		27 mm	27 mm	27 mm
Glass thickness	Vent	up to 72 mm	up to 62 mm	up to 62 mm



PERFORMANCE

Thermal insulation (Uf)	Down to 0.87 W/m²K	Down to 1.3 W/m²K	Down to 1.5 W/m²K
Acoustic performance (Rw (C; Ctr))	-	43 (-2; -4)	-
Air tightness	4	3	4
Wind load resistance	1200 Pa (class 3)	800 Pa (class 2)	1200 Pa (class 3)
Water tightness	600 Pa (class 9A)	450 Pa (class 8A)	150 Pa (class 4A)
Burglar resistance	-	RC 3 + PAS 24	RC 2

Performances and properties depend on size, profile combinations, hardware and infill choices.



PIVOT DOOR XL



PANEL DOOR



PASSIVE DOOR



PROPERTIES

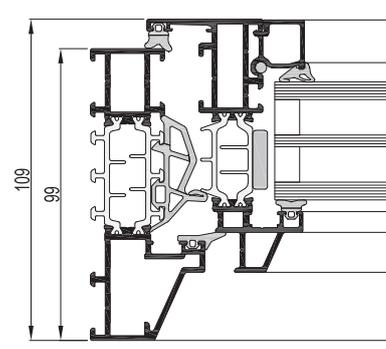
		PIVOT DOOR XL	PANEL DOOR	PASSIVE DOOR
Min. visible width inward opening door	Frame	-	42.5 mm	42.5 mm
	Vent	40 mm	-	-
Overall system depth window	Frame	77 mm	77 mm	77 mm
	Vent	77 mm	77 mm	77 mm
Max vent height		4000 mm	3000 mm	3000 mm
Max vent weight		500 kg	250 kg	250 mm
Rebate height		27 mm	-	-
Glass thickness	Vent	up to 62 mm	up to 65 mm	-

PERFORMANCE

	PIVOT DOOR XL	PANEL DOOR	PASSIVE DOOR
Thermal insulation (Uf)	Down to 1.5 W/m ² K	Down to 1.4 W/m ² K	Down to 1.4 W/m ² K
Acoustic performance (Rw (C; Ctr))	-	-	-
Air tightness	600 Pa (class 4)	600 Pa (class 3)	600 Pa (class 4)
Wind load resistance	1200 Pa (class 3)	1200 Pa (class 3)	1200 Pa (class 3)
Water tightness	150 Pa (class 4A)	100 Pa (class 3A)	100 Pa (class 3A)
Burglar resistance	-	RC 2	RC 2

SlimLine 38

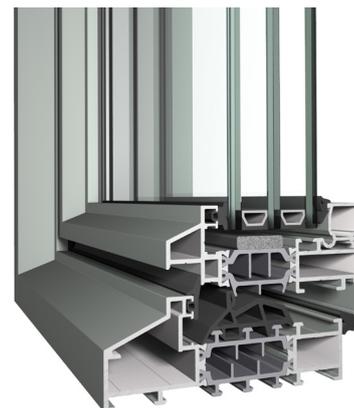
Windows



Light, elegance and comfort

Its slender and user-friendly design makes the SlimLine 38 high-insulation system the perfect fit for any contemporary project. The durable aluminium windows offer unlimited design freedom thanks to their multiple minimalistic variants.

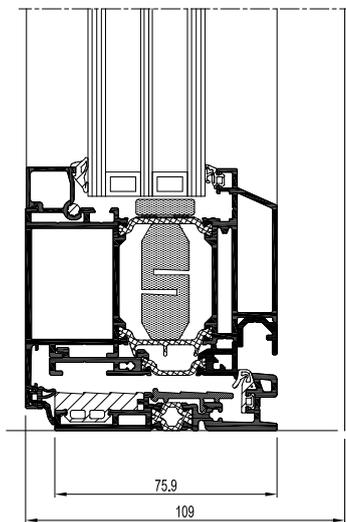
- Steel look windows in a variety of styles
- Suits modern new-builds as well as renovations
- High thermal insulation



PROPERTIES		CLASSIC	CUBIC	FERRO
Min. visible width inward opening window	Frame	33 mm	38 mm	38 mm
	Vent	23 mm	22 mm	21 mm
Min. visible width inward opening window-door	Frame	38 mm	n/a	38 mm
	Vent	52 mm	n/a	52 mm
Overall system depth window	Frame	99 mm	76 mm	76 mm
	Vent	86 mm	75 mm	86 mm
Rebate height		13.5 mm	13.5 mm	13.5 mm
Glass thickness		up to 55 mm	up to 55 mm	up to 55 mm

PERFORMANCE	
Thermal insulation (Uf)	Down to 1.8 W/m ² K. (Uw of less than 1.4 W/m ² K for a standard window section)
Acoustic performance (Rw (C; Ctr))	38 (-1; -4) dB / 45 (-1; -5) dB
Air tightness	Up to 600 Pa (class 4)
Wind load resistance	Up to 1600 Pa (class C4)
Water tightness	Up to 600 Pa (class 9A)
Burglar resistance	Up to RC 2 (EN 1627 & NEN 5096) + PAS 24

Performances and properties depend on size, profile combinations, hardware and infill choices.



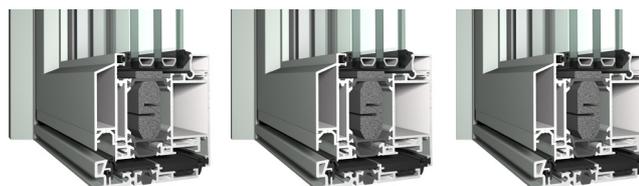
SlimLine 38

Doors

Light, Elegance and comfort

SlimLine 38 is a highly insulated aluminium door system that combines ultimate comfort with minimalistic design. Its slender steel look with optional triple glazing is the perfect match for both new-builds and contemporary renovation projects.

- High insulating steel look doors
- Broad offer of styles and safety variants
- Suits modern new-builds as well as renovations



PROPERTIES

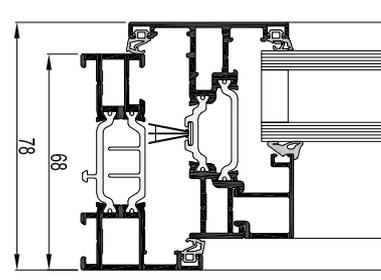
		BALCONY DOOR	TERRACE DOOR	ENTRANCE DOOR
Min. visible width inward opening door	Frame	38 mm	38 mm	38 mm
	Vent	21 mm	51 mm	51 mm
Overall system depth window	Frame	76 / 99 mm	76 / 99 mm	76 / 99 mm
	Vent	86 mm	86 mm	86 mm
Rebate height		13.5 mm	13.5 mm	13.5 mm
Glass thickness		up to 55 mm	up to 55 mm	up to 55 mm
Available styles		Classic - Ferro	Classic - Ferro	Classic - Ferro

PERFORMANCE

	BALCONY DOOR	TERRACE DOOR	ENTRANCE DOOR
Thermal insulation (Uf)	Down to 1.8 W/m ² K	Down to 1.6 W/m ² K	Down to 1.6 W/m ² K
Acoustic performance (Rw (C; Ctr))	38 (-1; -4) dB	38 (-1; -4) dB	38 (-1; -4) dB
Air tightness	Up to 600 Pa (class 4)	Up to 600 Pa (class 4)	Up to 300 Pa (class 2)
Wind load resistance	1200 Pa (class 3)	1200 Pa (class 3)	1200 Pa (class 3)
Water tightness	Up to 600 Pa (class 9A)	Up to 600 Pa (class 9A)	Up to 200 Pa (class 5A)
Burglar resistance	Up to RC 2 (EN 1627)	Up to RC 2 (EN 1627)	Up to RC 2 (EN 1627) + PAS 24

SlimLine 68

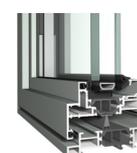
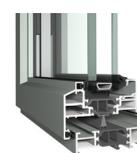
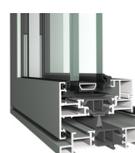
Windows



Excellence in comfort

SlimLine 68 outward-opening windows are known for their ultra-slim yet steady aluminium profiles. The well-balanced solution is perfect for renovation, retaining the original daylight, but increasing weather resistance and insulation.

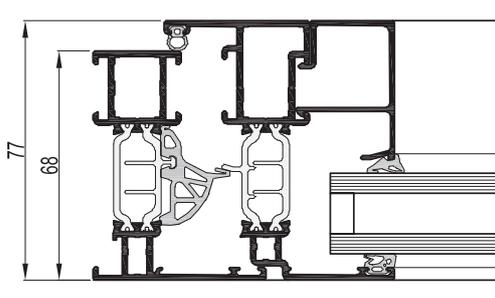
- Ultra slim sightlines in outward opening
- High level of comfort with excellent acoustic, thermal and weather sealing performance
- Safe and secure with SBD and PAS 24 rating



PROPERTIES		FUNCTIONAL	CLASSIC	FERRO
Min. visible width outward opening window	Frame	15 mm	15 mm	15 mm
	Vent	50 mm	50 mm	50 mm
Min. visible width T-profile		50 mm	50 mm	50 mm
Overall system depth window	Frame	68 mm	68 mm	68 mm
	Vent	68 mm	68 mm	68 mm
Rebate height		14 / 18 mm	14 / 18 mm	14 / 18 mm
Glass thickness		up to 43 mm	up to 32 mm	up to 32 mm
Thermal insulation		omega-shaped fibreglass reinforced polyamide strips (32 mm)		

PERFORMANCE		
 Thermal insulation (Uf)		Down to 2.5 W/m ² K (U _w ≥ than 1.4 W/m ² K for a standard window section)
 Acoustic performance (R _w (C; C _{tr}))		36 (-1; -5) dB / 47 (-2; -7) dB
 Air tightness		Up to 600 Pa (class 4)
 Wind load resistance		Up to 2000 Pa (class 5)
 Water tightness		Up to 1200 Pa (class E1200)
 Burglar resistance		PAS 24

Performances and properties depend on size, profile combinations, hardware and infill choices.



ConceptSystem 77

Windows & Doors



Optimised safety and comfort

ConceptSystem 77 is a versatile window system that complements almost any building project thanks to its many design options. Compatible with different burglar resistance levels, the aluminium windows offers both a safe and stylish solution.

- Broad design and functional possibilities
- Available in extreme safety variants including bulletproof
- Well balanced price-quality-feature mix



PROPERTIES		FUNCTIONAL	HIDDEN VENT
Min. visible width inward opening window	Frame	51 mm	76 mm
	Vent	33 mm	not visible
Min. visible width inward opening flush door	Frame	68 mm	-
	Vent	76 mm	-
Overall system depth window	Frame	68 mm	68 mm
	Vent	77 mm	72.5 mm
Rebate height		25 mm	18.5 mm
Glass thickness		up to 53 mm	up to 48 mm

PERFORMANCE	
Thermal insulation (Uf)	Down to 1.2 W/m²K
Acoustic performance (Rw (C; Ctr))	36 (-1; -4) dB / 42 (-2; -4) dB
Air tightness	Up to 600 Pa (class 4)
Wind load resistance	Up to 2000 Pa (class 5)
Water tightness	Up to 900 Pa (class E900)
Burglar resistance	Up to RC 3 (EN 1627 & NEN 5096) + PAS 24

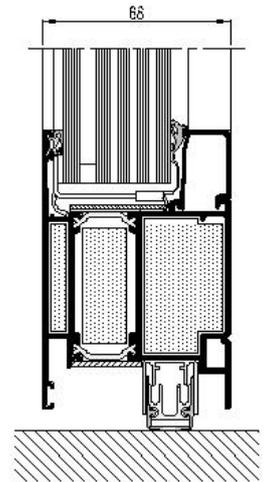
ConceptSystem 77-FP

Windows & Doors

The ConceptSystem 77-FP variant helps to provide fire safety in several classes and configurations to ensure an extended and safe escape route during a fire emergency. The range is available as outward opening single and double doors, panic doors, combined fixed window elements as well as glazed partition walls.

- European certified fire rated solution
- Wide range of architectural solutions similar to standard ConceptSystem 77
- Combinations possible with smoke control, burglar resistance and panic functionality

CS 77-FP60 door



PROPERTIES	FIREPROOF 30	FIREPROOF 60
Rebate height	25 mm	25 mm
Glass thickness	13 - 52 mm	13 - 52 mm
Glazing method	dry glazing with EPDM or neutral silicone	

PERFORMANCE	FIREPROOF 30	FIREPROOF 60
European testing standards	EN 1364-1 EN 1634-1	EN 1364-1 EN 1634-1
Classification standard	EN 13501-2	EN 13501-2
 Fire resistance classification	EW30, EI30, EI ₁ 30, EI ₂ 30	EW60, EI60, EI ₁ 60, EI ₂ 60
 Burglar resistance	Up to RC 2 (EN 1627)	

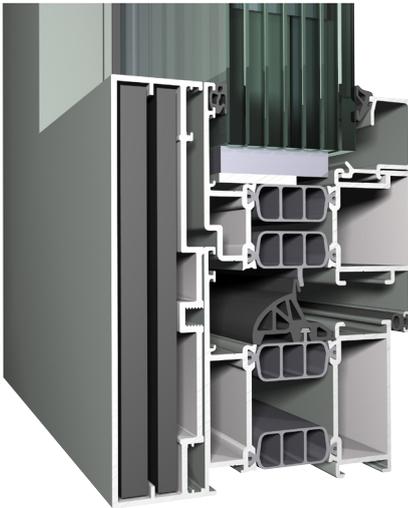
Performances and properties depend on size, profile combinations, hardware and infill choices.

ConceptSystem 77-BP

Windows & Doors

ConceptSystem 77-BP is an extension to the ConceptSystem 77 which enables the realisation of bulletproof windows and doors according to the most severe European standards. Optionally, the (fixed) windows and doors can be offered with a burglar resistance up to RC 3.

- FB 4, FB 6, FSG & Kalashnikov bullet resistance
- Shares many components with CS 77 for easy production
- Well balanced price-quality-feature mix

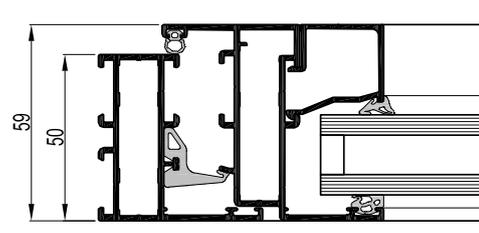


PROPERTIES		BULLETPROOF
Min. visible width inward opening window	Frame	128 mm
	Vent	-
Min. visible width inward opening flush door	Frame	77 mm
	Vent	77 mm
Overall system depth window	Frame	97 mm
	Vent	77 mm
Rebate height		25 mm
Glass thickness		25 - 52 mm

PERFORMANCE		
 Thermal insulation (Uf)		Down to 2.4 W/m ² K
 Acoustic performance (Rw (C; Ctr))		42 (-2; -4) dB
 Air tightness		Up to 600 Pa (class 4)
 Wind load resistance		Up to 2000 Pa (class 5)
 Water tightness		Up to 900 Pa (class E900)
 Bullet resistance		FB 4, FB 6, FSG (EN 1522) & Kalashnikov
 Burglar resistance		Up to RC 3 (EN 1627)

ConceptSystem 59Pa

Windows & Doors



Ideal for warm climates

ConceptSystem 59 Parallel (Pa) offers a wide range of aluminium profiles specifically designed to deliver quality windows at a competitive price. The non-insulated yet sturdy solution is developed for warmer climates and matches any building's style.

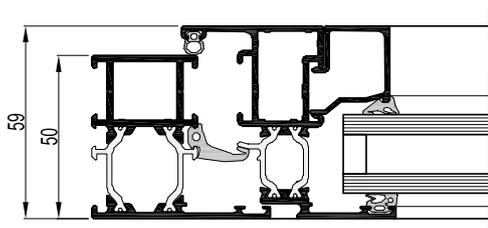
- Non-insulated stability, suitable for hot climates
- Well balanced price-quality-feature mix
- Reduced visible width for fixed and opening windows



PROPERTIES		PARALLEL	RENAISSANCE
Min. visible width inward opening window	Frame	49 mm	55 mm
	Vent	31 mm	31 mm
Min. visible width inward opening flush door	Frame	61.5 mm	-
	Vent	72.5 mm	-
Overall system depth window	Frame	50 mm	59 mm
	Vent	59 mm	68 mm
Rebate height		25 mm	25 mm
Glass thickness		up to 35 mm	up to 35 mm

PERFORMANCE		
 Acoustic performance (Rw (C; Ctr))		36 (-1; -3) dB / 44 (-2; -4) dB
 Air tightness		Up to 600 Pa (class 4)
 Wind load resistance		Up to 2000 Pa (class 5)
 Water tightness		Up to 750 Pa (class E750)

Performances and properties depend on size, profile combinations, hardware and infill choices.



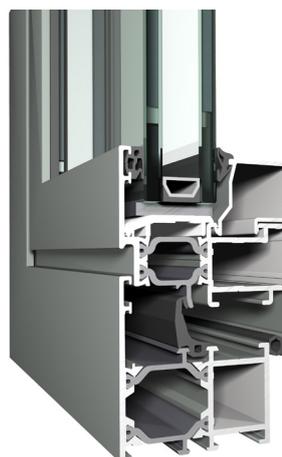
EcoSystem 50

Windows & Doors

Simply smart

EcoSystem 50 is a quality system for windows and doors that combines aesthetic design and energy efficiency. Thanks to the optional, cleverly hidden hinges and a minimal built-in depth, this aluminium solution sports a minimalistic look.

- Well-balanced price-quality-feature mix
- Minimal build-in depth for insulated system
- Reduces visible height for fixed window and opening windows



PROPERTIES

Min. visible width inward opening window	Frame	48 mm
	Vent	30 mm
Min. visible width inward opening flush door	Frame	67 mm
	Vent	74 mm
Overall system depth window	Frame	50 mm
	Vent	59 mm
Max vent height		2200 mm
Rebate height		22 mm
Glass thickness		up to 32 mm

FUNCTIONAL

Frame	48 mm
Vent	30 mm
Frame	67 mm
Vent	74 mm
Frame	50 mm
Vent	59 mm
	2200 mm
	22 mm
	up to 32 mm

PERFORMANCE

Thermal insulation (Uf)	Down to 2.3 W/m ² K
Acoustic performance (Rw (C; Ctr))	35 (-1; -4) dB / 40 (-2; -4) dB
Air tightness	Up to 600 Pa (class 4)
Wind load resistance	Up to 1600 Pa (class 4)
Water tightness	Up to 600 Pa (class 9A)
Burglar resistance	Up to RC 2 (EN 1627) + PAS 24



Beauvillage Apartments, Biel, Switzerland
 Architect: Bauzeit Architekten GmbH & Strässler Architect
 Photo: © yves-andrech



HiFinity



SlimPatio 68



ConceptPatio 130



MasterPatio

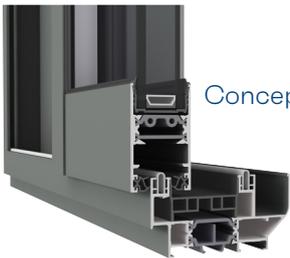


ConceptPatio 155



Reynaers
Aluminium

Sliding Systems



ConceptPatio 68



ConceptFolding 77



ConceptPatio 45Pa



ConceptFolding 68

Design & Performance

Sliding & Folding Systems

DESIGN VARIANTS	HiFinity	MasterPatio	SlimPatio	ConceptPatio			eptFolding		
			68	155	130	68	45Pa	77	68
Functional	■	■	■	■	■	■	■	■	■
Slimline	■		■	■	■			■	
Single rail			■					■	■
Multirail		■		■	■				
Motorised	■	■		■					
Zero threshold	■	■	■	■	■			■	■
Low threshold		■	■	■	■			■	■
Pocket		■	■	■	■	■			
Open corner	■	■	■	■	■	■			
Glass corner	■	■		■	■	■			
SAFETY VARIANTS									
Burglar resistance	■	■	■	■	■	■		■	■
OVERALL SYSTEM DEPTH (STANDARD)									
Frame	148/180 mm	180 mm	120 mm	155 mm	130 mm	68 mm	50 mm	77 mm	68 mm
Vent	44/60 mm	77 mm	64 mm	68 mm	59 mm	41/49 mm	29 mm	77 mm	68 mm
SUSTAINABILITY									
High insulation variant	■	■	■	■	■	■		■	■
Passive House Level	■	■							
Cradle to Cradle Certified	■	■							
Recycled thermal break	■	■							
ENERGY PERFORMANCE									
Insulation (Uf >= ...)	2.0 W/m²K	1.3 W/m²K	2.5 W/m²K	1.6 W/m²K	1.9 W/m²K	2.5 W/m²K	-	2.2 W/m²K	1.7 W/m² K
Insulation (Uw >=...)*	0.87 W/m²K	0.82 W/m²K	1.4 W/m²K	1.0 W/m²K	1.4 W/m²K	1.4 W/m²K	-	1.3 W/m²K	1.4 W/m²K
Air tightness	4 (600 Pa)	4 (600 Pa)	4 (600 Pa)	4 (600 Pa)	4 (600 Pa)	4 (600 Pa)	4 (600 Pa)	4 (600 Pa)	4 (600 Pa)
Water tightness	E750 (750 Pa)	E1200 (1200 Pa)	8A (450 Pa)	E900 (900 Pa)	E750 (750 Pa)	7B (300 Pa)	7B (300 Pa)	9A (600 Pa)	9A (600 Pa)
Wind load resistance	5 (2000 Pa)	5 (2000 Pa)	4 (1600 Pa)	4 (1600 Pa)	5 (2000 Pa)	4 (1600 Pa)	4 (1600 Pa)	3 (1200 Pa)	2 (800 Pa)

Performances and properties depend on size, profile combinations, hardware and infill choices.

* Depending on frame/vent combination - HI variant - Ug value double glazing = 1.0 W/m²K and spacer 0.036 W/mK
Ug value triple glazing = 0.6 W/m²K and spacer 0.031 W/mK

expected in 2023 available

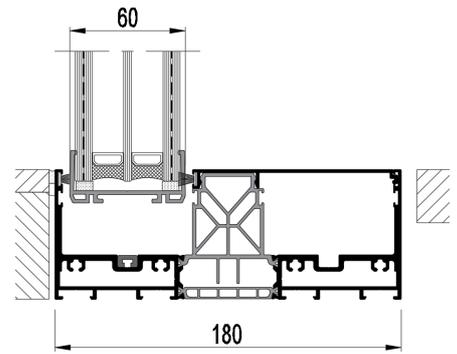
Opening Types

Sliding & Folding Systems

OPENING TYPES	HiFinity	MasterPatio	SlimPatio		ConceptPatio			ConceptFolding	
			68	155	130	68	45Pa	77	68
SLIDE									
	■		■	■	■	■	■		
	■			■	■				
	■		■	■	■	■	■		
	■		■	■	■	■	■		
	■		■	■	■	■	■		
	■		■	■	■	■	■		
				■	■	■	■		
				■	■		■		
				■	■	■	■		
LIFT-SLIDE									
		■		■	■				
		■		■	■				
		■		■	■				
		■		■	■				
		■		■	■				
		■		■	■				
		■		■	■				
		■		■	■				
	■	■		■	■	■			
	■	■	■	■	■				
	■	■	■	■	■				
FOLDING									
								■	■

HiFinity

Sliding Systems



The infinite view

HiFinity's ultra-slim profiles create seemingly endless transparent surfaces with a minimalist look. The elegant aluminium sliding system combines an infinite view with impressive performances. The perfect choice for any low-energy contemporary building.

- Ultimate design freedom, matching each project requirement
- Floor-to-ceiling and wall-to-wall fully concealed profiles
- Elegant lines and an unobstructed view



PROPERTIES		STANDARD	HIGH INSULATION
Height	Built-in frame	68 / 100 mm (0mm visible)	
Visible width / height	Vent	8 mm	10 mm
	Meeting section	35 mm (adjustable)	35 mm (adjustable)
	Meeting section 4 doors	67 mm (adjustable)	69 mm (adjustable)
Overall system depth	Frame	2-rail: 148 mm 3-rail: 234 mm	2-rail: 180 mm 3-rail: 282 mm
	Vent	44 mm	60 mm
Maximal element height		4000 mm	
Maximal vent weight		300 kg manual / 750 kg motorised / 1200 kg fixed	
Glass thickness		36 - 38 mm	52 - 54 mm
Glazing method		Structurally glued to composite vent profiles (sliding vents) Dry glazing with EPDM (fixed glass)	
PERFORMANCE			
 Thermal insulation (Uw)		Down to Uw 0.87 W/m²K	
 Acoustic performance (Rw (C; Ctr))		46 (-1; -3) dB	
 Air tightness		Up to 600 Pa (class 4)	
 Wind load resistance		Up to 2000 Pa (class 5)	
 Water tightness		Up to 750 Pa (class E750)	
 Burglar resistance		Up to RC 2 (EN 1627) / PAS 24	

Performances and properties depend on size, profile combinations, hardware and infill choices.



26 Carré Or, Principality of Monaco
Architect: Alexandre Giraldi
Photography: François Amiand

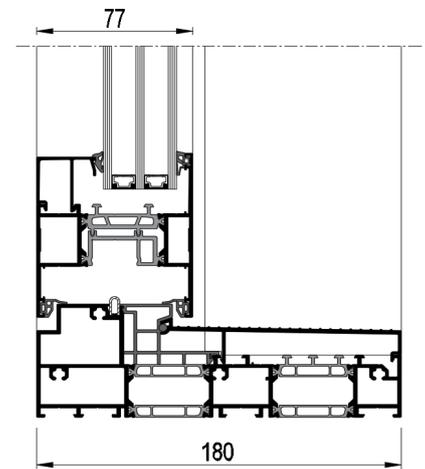
BOTTEGA VENETA BOTTEGA VENETA

26

26

MasterPatio

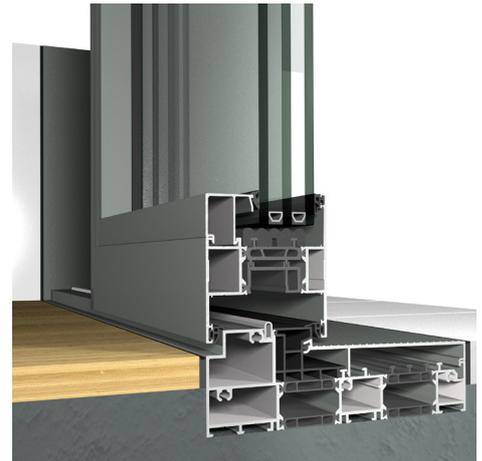
Sliding Systems



Clean aesthetics and futureproof design

MasterPatio is the lift-slide system of choice for all our partners and customers. Superior insulation and recycled components make this high-performing aluminium solution an ideal sustainable upgrade for any building project.

- High-insulating system with high-rise ready performance
- Sustainable features such as recycled materials and reduced waste during production
- Compatible with our MasterLine 8 windows and door system, converting it into an easy to produce floor-to-ceiling façade



reddot winner 2021



MONORAIL
OUTSIDE GLAZED



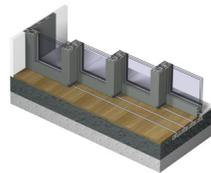
MONORAIL
INSIDE GLAZED



2-RAIL

PROPERTIES		MONORAIL OUTSIDE GLAZED	MONORAIL INSIDE GLAZED	2-RAIL
Visible width / height	Frame		60 mm	
	Vent		87 mm	
	Meeting		50 / 87 mm	
	T-profile		50 / 87 mm	
Overall system depth	Frame		180 mm	
	Vent		77 mm	
Max vent weight		500 kg manual / 400 kg motorised / 1200 kg fixed		
Max vent height		3600 mm		
Rebate height		27 mm		
Max glass thickness		Up to 63 mm		
PERFORMANCE				
Thermal insulation (Uw)		Down to 0.75 W/m ² K	Down to 0.8 W/m ² K	Down to 0.8 W/m ² K
Acoustic performance (Rw (C; Ctr))		44 (-1; -4) dB		
Air tightness		Up to 600 Pa (class 4)		
Wind load resistance		Up to 2000 Pa (class 5)		
Water tightness		Up to 1200 Pa (class E1200)	Up to 750 Pa (class E750)	Up to 1050 Pa (class E1050)
Burglar resistance		Up to RC 2 (ENV 1627) / PAS 24		

Performances and properties depend on size, profile combinations, hardware and infill choices.



MULTIRAIL +
ZERO-THRESHOLD



OPEN CORNER



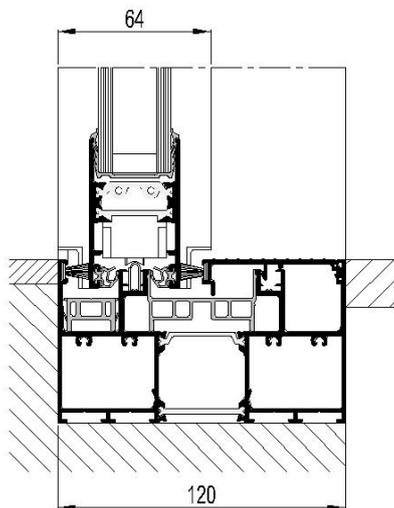
LOW-THRESHOLD

PROPERTIES		MULTIRAIL + ZERO-THRESHOLD	OPEN CORNER	LOW-THRESHOLD
Visible width / height	Frame	0 mm	60 mm	20 mm
	Vent		87 mm	
	Meeting		50 / 87 mm	
	T-profile		50 / 87 mm	
Overall system depth	Frame	180 - 798 mm	180 mm	180 mm
	Vent		77 mm	
Max vent weight		500 kg manual / 400 kg motorised / 1200 kg fixed		
Max vent height		3600 mm		
Rebate height		27 mm		
Max glass thickness		Up to 63 mm		

PERFORMANCE		MULTIRAIL + ZERO-THRESHOLD	OPEN CORNER	LOW-THRESHOLD
Thermal insulation (Uw)		Down to 0.8 W/m ² K		
Acoustic performance (Rw (C; Ctr))		44 (-1; -4) dB		
Air tightness		Up to 600 Pa (class 4)		
Wind load resistance		Up to 2000 Pa (class 5)		
Water tightness		Up to 300 Pa (class 7A)	Up to 450 Pa (8A)	Up to 150 Pa (3A)
Burglar resistance		-	-	Up to RC 2 (ENV 1627)



Palazzo Arba, Genoa, Italy
Architect : Federico Nardelli - Maurizio Maggiali
Photography: Piero Annoni



SlimPatio 68

Sliding Systems

Panoramic view and comfort

SlimPatio 68 is our highly insulated, ultra-slim sliding system that takes comfort and style to the next level. Thanks to their minimalistic design, the premium sliding windows ensure maximum daylight entrance and optimal panoramic views.

- Minimalist design, maximises daylight entrance
- Selection of opening types to complement any project
- Concealed frame best suited for new-builds



PROPERTIES

		2-RAIL	3-RAIL
Visible width / height	Built-in Frame	68 mm (0mm visible)	68 mm (0mm visible)
	Horizontal Vent	34 mm	34 mm
	Vertical vent	34 mm	34 mm
	Meeting section	34 mm	34 mm
Overall system depth	Frame	120 mm	176 mm
	Vent	64 mm	64 mm
Maximal vent height		2700 mm	
Maximal vent weight		250 kg	
Rebate height		18 mm	
Glass thickness		from 24 mm to 36 mm	
Glazing		EPDM, according to the envelop-principle	
Thermal insulation		32 mm and 36 mm fibreglass reinforced polyamide strips	

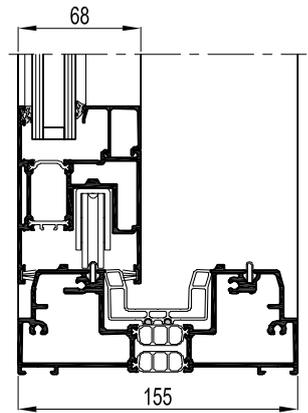
PERFORMANCE

 Thermal insulation (Uw)	Down to 1.4 W/m ² K, for 3000 mm x 2300 mm frame/vent combination (Ug = 1.0 W/m ² K, psi 0.036W/mK, 24mm glass)
 Acoustic performance (Rw (C; Ctr))	40 (-2; -4) dB
 Air tightness	Up to 600 Pa (class 4)
 Wind load resistance	Up to 1600 Pa (class 4)
 Water tightness	Up to 450 Pa (class 8A)

Performances and properties depend on size, profile combinations, hardware and infill choices.

ConceptPatio 155

Sliding Systems



Sophistication for quality and insulation

ConceptPatio 155 is a high-quality (lift &) slide system enables large glass areas with excellent insulating properties. Easy to integrate, the all-round aluminium sliding doors neatly combine with the ConceptSystem 77 products.

- Enables large elements in a variety of opening types
- Burglarproof and even hurricaneproof variants available
- Fixed glass panels up to 1500kg



PROPERTIES		SLIDE	LIFT-SLIDE
Visible width / height	Frame	60 mm	0 / 20 / 60 mm
	Vent	102 mm	102 mm
	Meeting section	50 / 115 mm	50 / 115 mm
Overall system depth	Frame	155 mm	155 mm
	Vent	68 mm	68 mm
Maximal vent height		3000 mm	3500 mm
Maximal vent weight		250 kg	400 kg
Rebate height		25 mm	
Glass thickness		Up to 52 mm	

PERFORMANCE		
 Thermal insulation (Uw)		Down to 1.0 W/m ² K
 Acoustic performance (Rw (C; Ctr))		35 (-2; -5) dB / 42 (-1; -3) dB
 Air tightness		Up to 600 Pa (class 4)
 Wind load resistance		Up to 1600 Pa (class 4)
 Water tightness		Up to 900 Pa (class E900)
 Burglar resistance		Up to RC2 (ENV 1627) / PAS 24

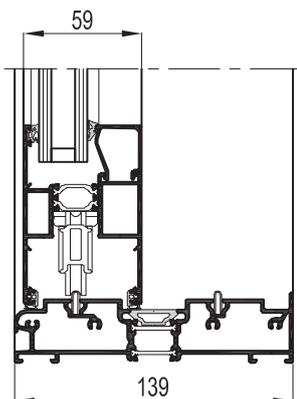
Performances and properties depend on size, profile combinations, hardware and infill choices.



Private House, Uznach, Zwitterland
Architect: Daluz / González Architekten
Photography: Peter Baracchi



Baelskaai 12, Ostend, Belgium
Architect: Conix Architects
Photography: Philippe Van Gelooven



ConceptPatio 130

Sliding Systems



Aesthetic functionality

ConceptPatio 130 is a qualitative (lift &) slide solution that balances price, performance and design. The versatile aluminium system allows both architects and homeowners to create spaces without boundaries.

- Very complete offer with various opening types
- Excellent balance between performance and affordability
- Unique low threshold renovation-friendly profile

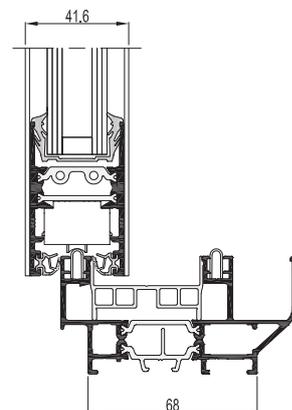
PROPERTIES		SLIDE	LIFT-SLIDE
Visible width / height	Frame	50 mm	0 / 28 / 35 / 40mm
	Vent	98 mm	98 mm
	Meeting	50 / 69 / 98 mm	50 / 69 / 98 mm
	T-profile	76 - 115 mm	76 - 115 mm
Overall system depth	Frame	110 - 139 mm	139 - 210 mm
	Vent	59 mm	59 mm
Rebate height			25 mm
Glass thickness			Up to 43 mm
Max vent weight			300 kg
Max vent height			2700 mm

PERFORMANCE	
Thermal insulation (Uw)	Down to 1.4 W/m²K
Acoustic performance (Rw (C; Ctr))	32 (-1; -3) dB / 39 (-1; -3) dB
Air tightness	Up to 600 Pa (class 4)
Wind load resistance	Up to 2000 Pa (class 5)
Water tightness	Up to 750 Pa (class E750)
Burglar resistance	Up to RC 2 (ENV 1627) / PAS 24

Performances and properties depend on size, profile combinations, hardware and infill choices.

ConceptPatio 68

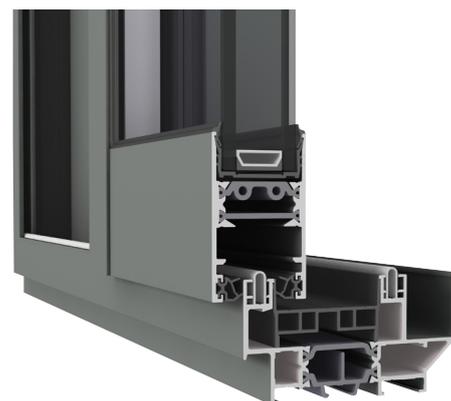
Sliding Systems



Elegance, comfort and security

The ConceptPatio 68 aluminium sliding system combines a unique style, great performances, and excellent security. Its slim sightlines ensure maximised daylight entrance, while open corner and pocket opening solutions offer uninterrupted views.

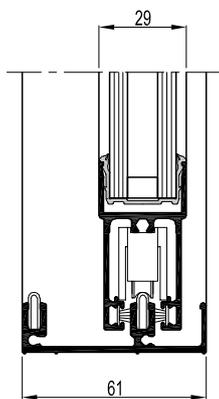
- Small sightlines for maximised daylight entrance
- Large variety of configurations, including open corner and pocket doors
- Ideal for renovation in moderate climates



PROPERTIES		MONORAIL	2-RAIL	3-RAIL
Visible width	Frame / Vent	109 mm	109 mm	109 mm
	Meeting section	34 mm	34 mm	34 mm
Overall system depth	Frame	85 mm	68 mm	124 mm
	Vent	41.6 mm	41.6 mm	41.6 mm
Maximal vent height			2800 mm	
Maximal vent weight			200 kg	
Rebate height			18 mm	
Glass thickness			28 - 36 mm	
Glazing method		with EPDM in accordance with the envelope principle		
Thermal insulation		32 mm and 36 mm fibreglass reinforced polyamide strips		

PERFORMANCES		
 Thermal insulation (Uw)		Down to 1.4 W/m²K
 Acoustic performance (Rw (C; Ctr))		38 (-2; -4) dB
 Air tightness		Up to 600 Pa (class 4)
 Wind load resistance		Up to 1600 Pa (class 4)
 Water tightness		Up to 300 Pa (class 7B)
 Burglar resistance		Up to RC 2 (EN 1627)

Performances and properties depend on size, profile combinations, hardware and infill choices.



ConceptPatio 45Pa

Sliding Systems



Less is more

ConceptPatio 45Pa is a noninsulated sliding system that has been designed to respond to new aesthetical demands. The system is available in functional design. The profile width is reduced to a minimum allowing a maximum of light into the building. CP 45Pa integrates the latest techniques, offering a very competitive solution.

- Affordable high-quality non-insulated slider
- Available in multiple styles
- Ideal for renovation in warmer climates

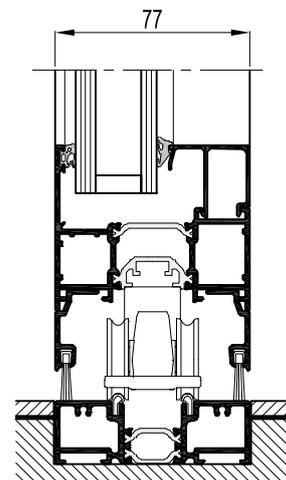
PROPERTIES		MONORAIL	2-RAIL	3-RAIL	4-RAIL
Visible width / height	Frame	45 mm	17 / 45 mm	17 / 45 mm	17 / 45 mm
	Horizontal vent			56 mm	
	Vertical vent			54.5 / 67 mm	
	Meeting section			40 mm	
Overall system depth window	Frame	48 / 56 mm	50 / 61 mm	86 / 97 mm	122 / 133 mm
	Vent			29 mm	
Glass thickness				6 - 24 mm	

PERFORMANCES

 Air tightness	Up to 600 Pa (class 4)
 Wind load resistance	Up to 1600 Pa (class 4)
 Water tightness	Up to 300 Pa (class 7B)

ConceptFolding 77

Folding Systems



Invite nature into your building

ConceptFolding 77 provides exceptional element sizes for maximal transparency and stunning aesthetics. Nature and indoors come closer together as the aluminium folding door system connects up to eight vents to draw the exterior inside.

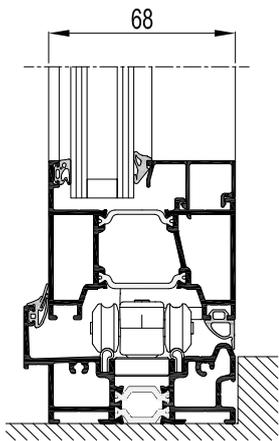
- High-quality folding doors
- Best in class element sizes
- From 2 to 8 vents, opening any way you want



PROPERTIES	FUNCTIONAL	SLIMLINE
Visible frame / threshold	0 / 18 / 42 / 57 / 82 mm	0 / 25 mm
Visible vent width	66 mm	55 mm
Visible vent - vent width	144 mm	122 mm
System depth	77 mm	77 mm
Max vent size	1200x3000 mm	1200x3000 mm
Max vent weight	120 kg	120 kg
Rebate height	25 mm	25 mm
Max glass thickness	63 mm	44 mm

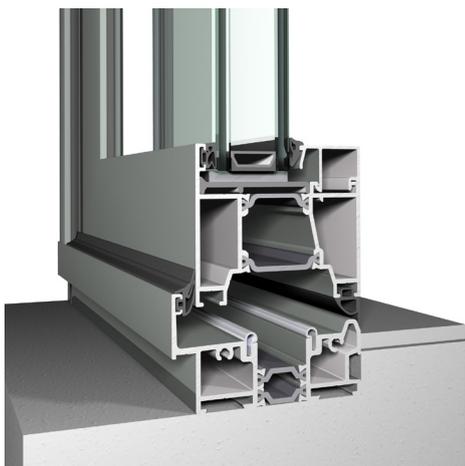
PERFORMANCE	
 Thermal insulation (Uf)	Down to 2.2 W/m ² K
 Acoustic performance (Rw (C; Ctr))	45 (-1; -5) dB
 Air Tightness	Up to 600 Pa (class 4)
 Wind load resistance	Up to 1200 Pa (class 3)
 Water Tightness	Up to 600 Pa (class 9A)
 Burglar resistance	Up to RC 2 (EN 1627) / PAS 24

Performances and properties depend on size, profile combinations, hardware and infill choices.



ConceptFolding 68

Folding Systems



Endless enjoyment

The elegant ConceptFolding 68 folding doors offer maximum space efficiency and small sightlines. Combining up to eight vents, the aluminium system makes the border between interior and exterior disappear in an instant.

- Elegant folding doors with small sightlines
- Affordable but quality design
- From 2 to 8 vents, opening any way you want

PROPERTIES

Visible frame / threshold

FUNCTIONAL

0 / 19 / 30 / 44 / 74 mm

Visible vent width

68 mm

Visible vent - vent width

131 / 153 mm

System depth

68 mm

Max vent size

1200x2500 mm

Max vent weight

120 kg

Rebate height

14 mm

Max glass thickness

55 mm

PERFORMANCE

 Thermal insulation (Uf)

Down to 1.7 W/m²K

 Acoustic performance (Rw (C; Ctr))

40 (-2; -4) dB

 Air Tightness

Up to 600 Pa (class 4)

 Wind load resistance

Up to 1200 Pa (class B3)

 Water Tightness

Up to 600 Pa (class 9A)

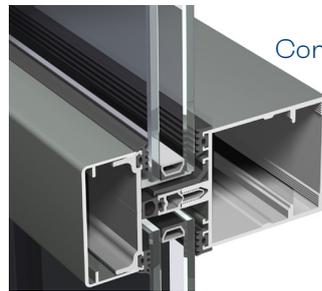
 Burglar resistance

Up to RC 2 (EN 1627) / PAS 24

Reynaers Campus, Duffel, Belgium
Architect: Jaspers Evers Architects
Photo: Philippe Van Gelooven



ConceptWall 50



ConceptWall 60

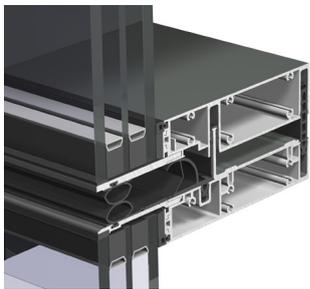


ConceptWall 50-FP

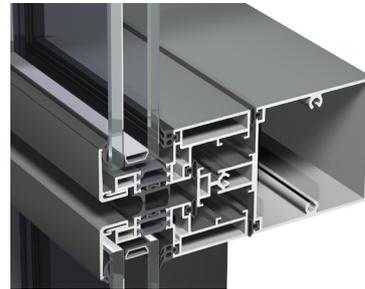


Reynaers
Aluminium

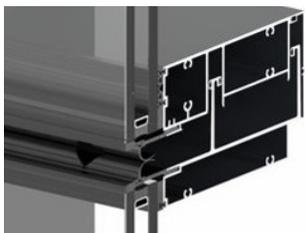
Façades



ElementFaçade 7



ConceptWall 86(-EF)



ElementFaçade 7-MF

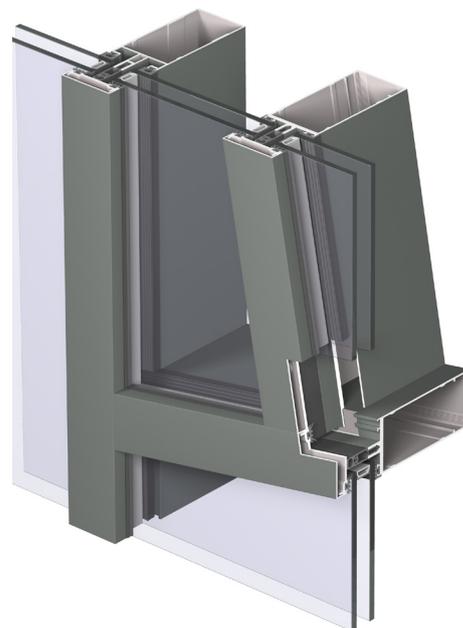
ConceptWall 50

Façades

Unlimited creative freedom and maximum entrance of light

ConceptWall 50 is a curtain wall façade and roof system that offers incredible building speed, unlimited design freedom and exceptional performance. The stick façade's highly insulated variants achieve energy efficiency up to Passive House levels.

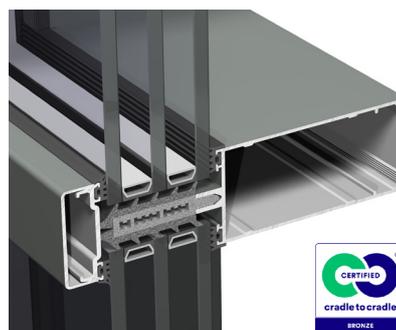
- Excellent thermal and AWW performance
- Broad range of applications and styles
- High weights and large spans



PERFORMANCE

 Thermal insulation (Uf)	Down to 0.56 W/m ² K
 Acoustic performance (Rw (C; Ctr))	33 (-1; -3) dB / 60 (-2; -6) dB
 Air tightness	Up to 1950 Pa (class AE 1950)
 Wind load resistance	Up to 2400 Pa
 Water tightness	Up to 1950 Pa (class RE 1950)
 Burglar resistance	Up to RC 3 (NEN 5096 / ENV 1627)

Performances and properties depend on size, profile combinations, hardware and infill choices.



PROPERTIES

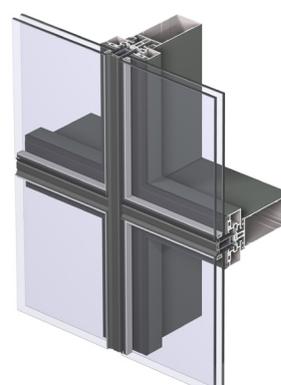
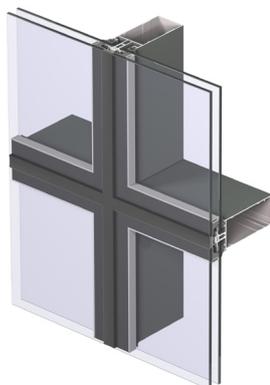
STANDARD

HIGH INSULATION

Inside visible width	50 mm
Outside visible width	50 mm
Glass thickness	6 - 61 mm

Inside visible width	50 mm
Outside visible width	50 mm
Glass thickness	6 - 61 mm

Inside visible width	50 mm
Outside visible width	50 mm
Glass thickness	22 - 61 mm



PROPERTIES

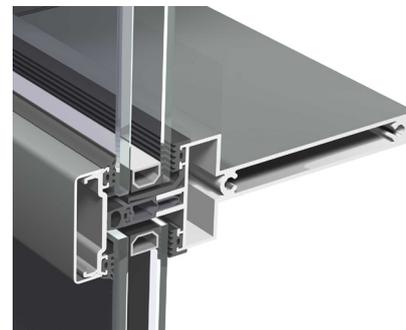
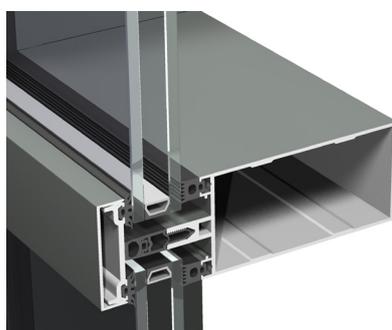
STRUCTURAL CLAMPED

STRUCTURAL GLAZED

Inside visible width	50 mm
Outside visible width	joint: 20 mm
Glass thickness	27 - 63 mm

Inside visible width	50 mm
Outside visible width	joint: 20 mm
Glass thickness	27 - 63 mm

Inside visible width	50 / 88 mm
Outside visible width	EPDM gasket (width 27 mm)
Glass thickness	24 - 36 mm



PROPERTIES

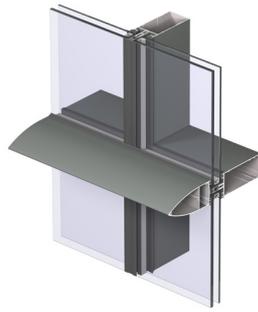
TRANSOM-TRANSOM

SLIMLINE

Inside visible width	50 mm
Outside visible width	50 mm
Glass thickness	6 - 64 mm

Inside visible width	50 mm
Outside visible width	50 mm
Glass thickness	6 - 64 mm

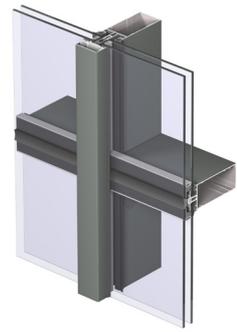
Inside visible width	15 / 50 mm
Outside visible width	50 mm
Glass thickness	6 - 61 mm



HORIZONTAL LINING

PROPERTIES

Inside visible width	50 mm
Outside visible width	vertical: 30 mm joint horizontal: 50 mm
Glass thickness	22 - 48 mm



VERTICAL LINING

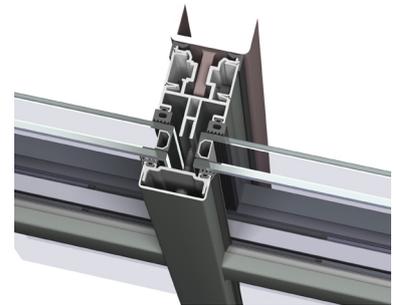
Inside visible width	50 mm
Outside visible width	vertical: 50 mm horizontal: 20 mm joint
Glass thickness	27 - 40 mm



ROOF APPLICATION

PROPERTIES

Inside visible width	50 mm
Outside visible width	50 mm
Glass thickness	6 - 60 mm



ALU ON STEEL

Inside visible width	50 mm
Outside visible width	50 mm
Glass thickness	6 - 61 mm



HIDDEN VENT
(INWARD OPENING)

PROPERTIES

Inside visible width	23 / 80 mm
Outside visible width	50 mm
Glass thickness	opening window: 22 - 28 mm (opening window SC: 29 - 32 mm)



TOP HUNG & POW
(OUTWARD OPENING)

Inside visible width	15 / 108 mm (FUNCTIONAL & SG)
Outside visible width	0 mm (SG) / 105 mm
Glass thickness	24 - 62 mm

PERFORMANCE

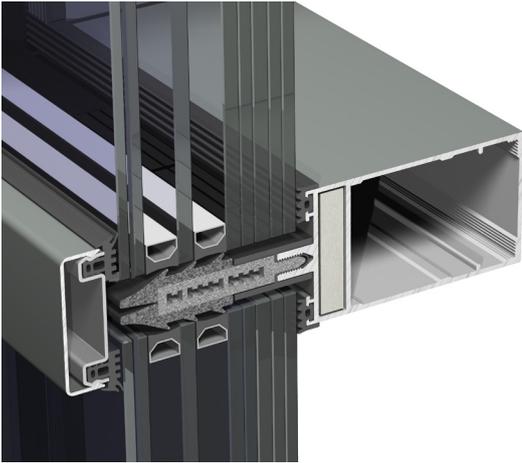
Thermal insulation (Uf)	Utj down to 5.5 W/m ² K
Air tightness	Up to 600 Pa (class 4)
Wind load resistance	Up to 1600 Pa (class C4)
Water tightness	Up to 1200 Pa (class E1200)

Thermal insulation (Uf)	Down to 1.5 W/m ² K
Air tightness	Up to 600 Pa (class 4)
Wind load resistance	Up to 2000 Pa (class C5)
Water tightness	Up to 2100 Pa (class E2100)

Performances and properties depend on size, profile combinations, hardware and infill choices.

ConceptWall 50-FP

Façades



Optimal fire protection, maximum daylight admission and excellent thermal performance.

In case your project needs fire protection, the ConceptWall 50-FP variant can create strategically placed fireproof zones where needed. With a maximum glass thickness of 78 mm triple glazed panes, the system enables uniform and high thermal performance throughout the whole façade surface.

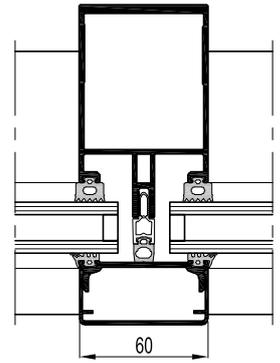
- EW30, EI30, EI60 fire resistance
- High weights and large spans
- Compatible with MasterLine 8-FP doors

PROPERTIES	FIREPROOF 30	FIREPROOF 60
Rebate height	20 mm	20 mm
Glass thickness	34 - 78 mm	34 - 78 mm
Glazing method	fixing by pressure plates	fixing by pressure plates

PERFORMANCE	FIREPROOF 30	FIREPROOF 60
European testing standards	EN 1364-1 / EN 1364-3	EN 1364-1 / EN 1364-3
Classification standard	EN 13501-2	EN 13501-2
 Thermal insulation (Uf)	0.8 W/m ² K	0.8 W/m ² K
 Fire resistance classification	EW30, EI30	EI60

ConceptWall 60

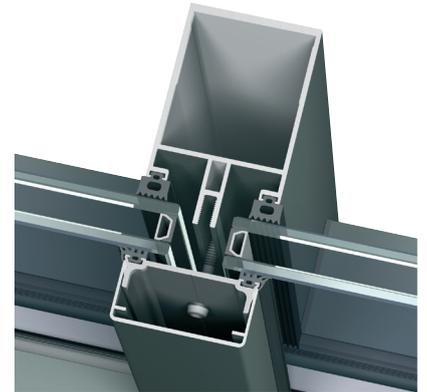
Façades



Solution for heavy glass panes

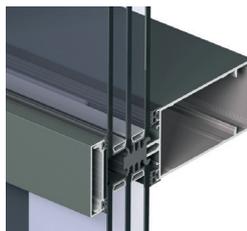
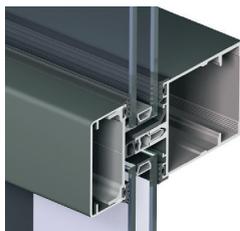
The ConceptWall 60 curtain wall system is ideal for higher wind load areas thanks to stronger aluminium profiles and larger glass rebates, compared to ConceptWall 50. Its functional design makes manufacturing and installation equally easy.

- Excellent thermal and AWW performance
- Freedom in both building shapes and profile design
- High weights and large spans



PERFORMANCE	
 Thermal insulation (Uf)	Down to 0.76W/m ² K
 Acoustic performance (Rw (C; Ctr))	33 (-1; -4) dB / 56 (-1; -5) dB
 Air tightness	600 Pa (class A4)
 Wind load resistance	Up to 2400 Pa
 Water tightness	Up to 1200 Pa (class RE 1200)
 Burglar resistance	Up to RC 3 (ENV 1627)

Performances and properties depend on size, profile combinations, hardware and infill choices.



PROPERTIES

STANDARD	
Inside visible width	60 mm
Outside visible width	60 mm
Glass thickness	6 - 62 mm

HIGH INSULATION	
Inside visible width	60 mm
Outside visible width	60 mm
Glass thickness	22 - 62 mm

STRUCTURAL CLAMPED	
Inside visible width	60 mm
Outside visible width	Silicon joint or EPDM gasket of 20 mm width
Glass thickness	27 - 63 mm

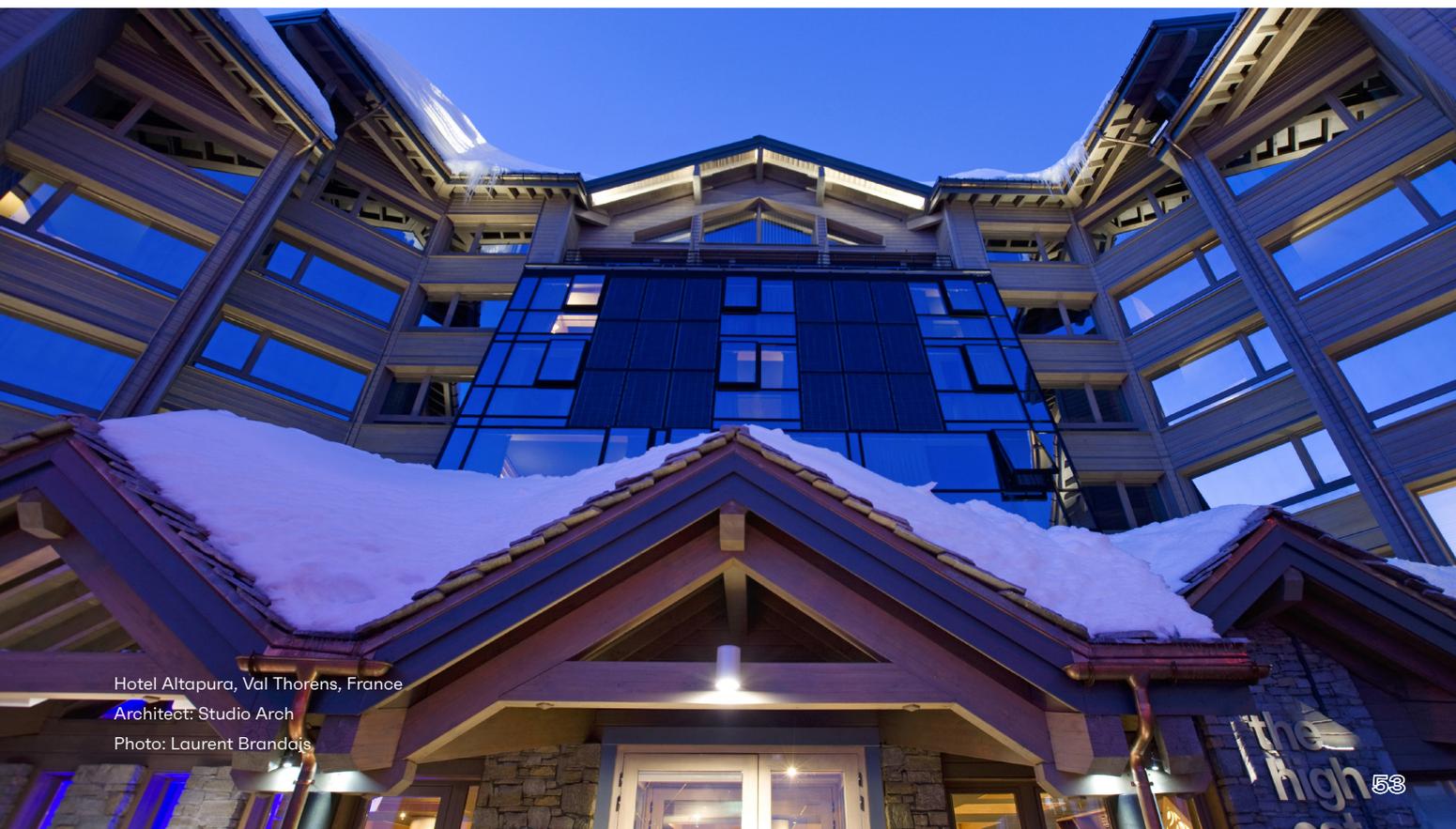


PROPERTIES

STRUCTURAL GLAZED	
Inside visible width	60 / 88 mm
Outside visible width	EPDM gasket of 27 mm width
Glass thickness	24 - 36 mm

HORIZONTAL/VERTICAL LINING	
Inside visible width	60 mm
Outside visible width	mix of 20 / 30 mm joint & 60 mm pressure plate
Glass thickness	22 - 48 mm

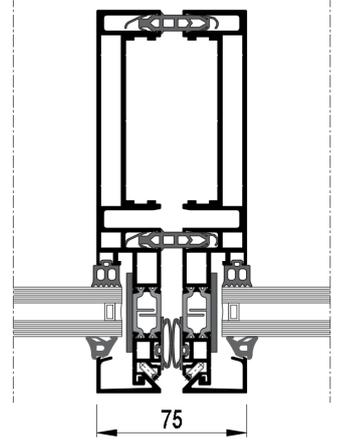
ROOF APPLICATION	
Inside visible width	60 mm
Outside visible width	60 mm
Glass thickness	6 - 48 mm



Hotel Altapura, Val Thorens, France
 Architect: Studio Arch
 Photo: Laurent Brandajs

ElementFaçade 7

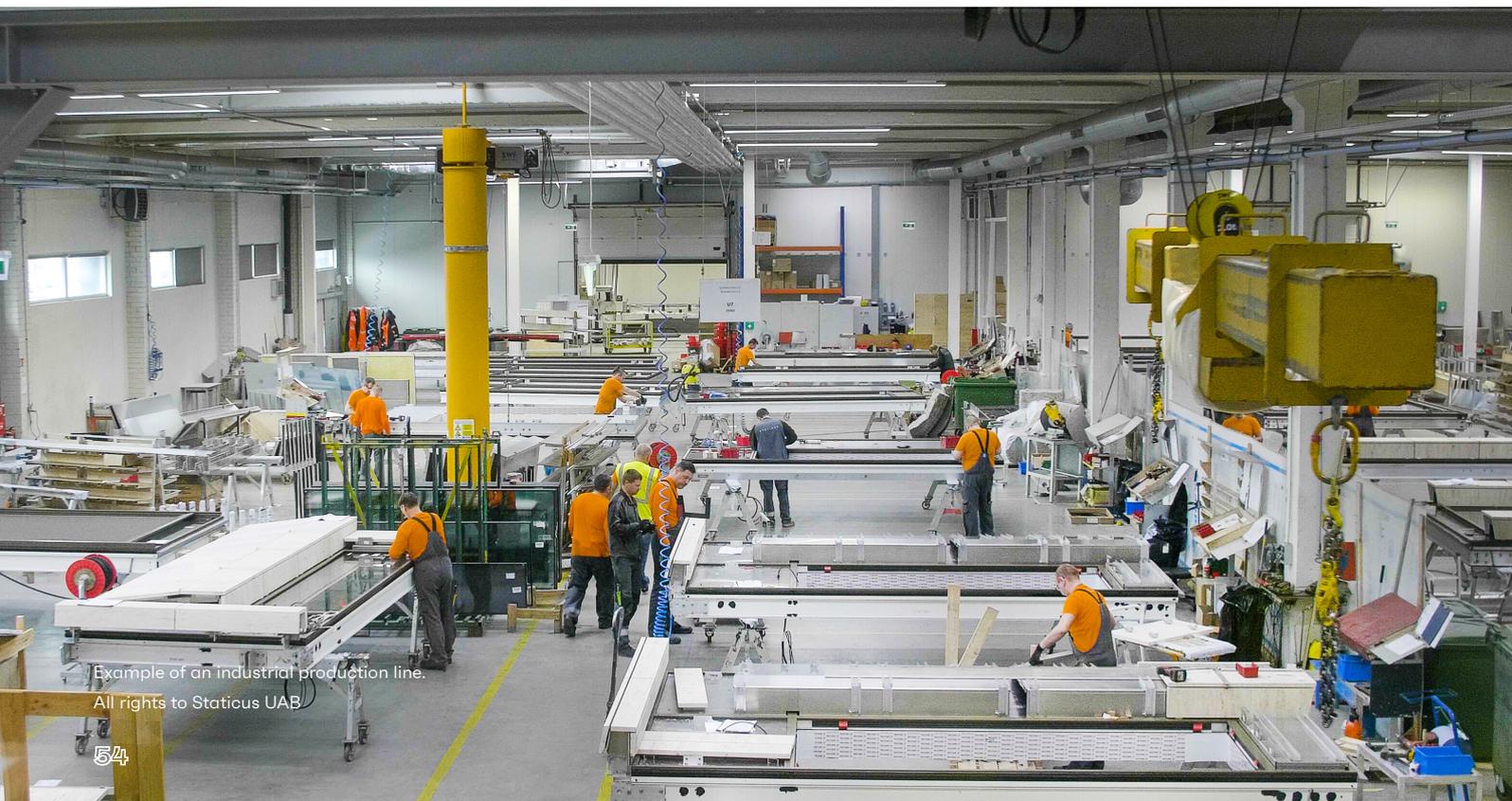
Façades



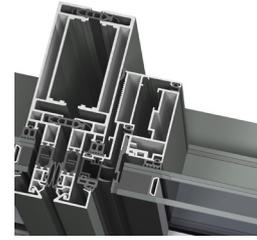
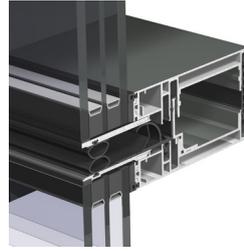
The element that builds the future

ElementFaçade 7 meets all contemporary architectural needs by offering an aesthetic, fast-to-produce and easy-to-install façade solution. The off-the-shelf unitised aluminium system combines intelligent design and reliable performance.

- Intelligent and versatile design
- Exceptional, predictable and reliable performance
- Fast in calculation, offering, assembly and installation



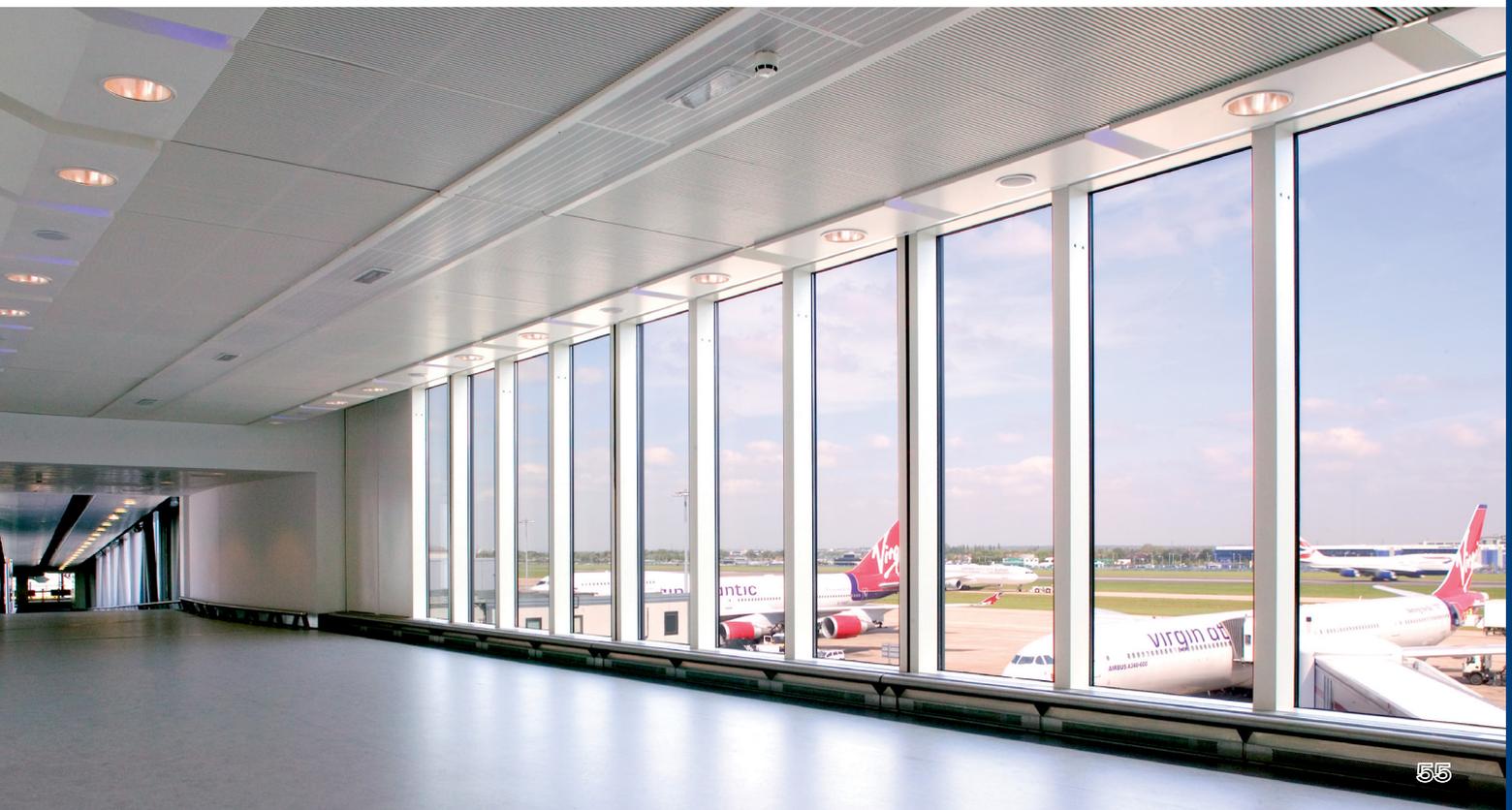
Example of an industrial production line.
All rights to Staticus UAB



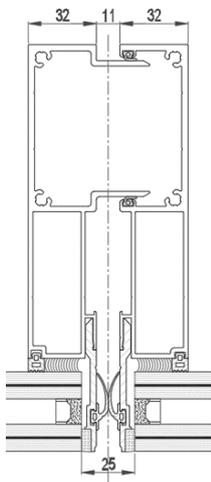
PROPERTIES	GLAZING BEAD / STANDARD	STRUCTURAL GLAZED	OPENING ELEMENTS
Max. dimensions W x H	2700 x 3700 mm	2700 x 3700 mm	2000 x 2500 mm
Interior visible width	75 mm	75 mm	58 mm
Exterior visible width	75 mm	11 mm joint between glass	58 mm (Fu) 20 mm joint (SG)
Glass thickness	26 - 63 mm	36 - 60 mm	23 - 62 mm
Glass weight	300 kg	300 kg	-
Element weight	700 kg	700 kg	180 kg
Types of vent	All Reynaers Aluminium systems, top hung window, POW window	All Reynaers Aluminium systems, top hung window, POW window	-

PERFORMANCE	GLAZING BEAD / STANDARD	STRUCTURAL GLAZED	OPENING ELEMENTS
Thermal insulation	U _f down to 1.3 W/m ² K	U _{ij} down to 3.3 W/m ² K	U _f down to 1.5 W/m ² K (Fu) U _{ij} down to 2.1 W/m ² K (SG)
Acoustic performance (R _w (C; C _{tr}))	43 (-2; -4) dB	42 (-2; -4) dB	41 (-2; -4) dB
Air tightness	1200 Pa (class AE1200)	1200 Pa (class AE1200)	600 Pa
Wind load resistance	2400 Pa	2400 Pa	2000 Pa
Water tightness	1200 Pa (class RE1200)	1200 Pa (class RE1200)	1500 Pa (class RE1500)

Performances and properties depend on size, profile combinations, hardware and infill choices.







ElementFaçade 7-MF

Façades



Even broader range of construction methods

The ElementFaçade 7 already offers several ways of constructing the elements and the building with straight cuts or mitre cuts, and glazing beads or structural glued panels, or a combination of all of them.

The Male Female variant (SG only) of the EF 7 expands this offer, enables even faster installation times than the standard EF 7. Thanks to its simplified fabrication process, minimal number of components and clean finishing, this system offers an efficient, high-performance and aesthetical solution for any high-rise building project.

- Structurally glued, male-female element façade system
- Simplified production process, reducing errors on site and installation times
- High performance at competitive pricing

PROPERTIES

	MALE - FEMALE
Max. dimensions W x H	2200 x 3700 mm
Interior visible width	75 mm
Exterior visible width	25 mm
Glass thickness	26 - 60 mm
Glass weight	300 kg
Life load	-20 mm to +20 mm
Types of opening elements	Inward opening Hidden Vent & Outward opening POW / Top Hung

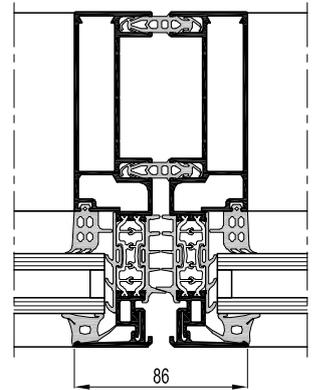
PERFORMANCE

Thermal insulation (U _{gw})	Down to 1.0 W/m ² K (triple glazing)
Air tightness	1200 Pa (class AE1200)
Wind load resistance	2400 Pa
Water tightness	1200 Pa (class RE1200)

Performances and properties depend on size, profile combinations, hardware and infill choices.

ConceptWall 86(-EF)

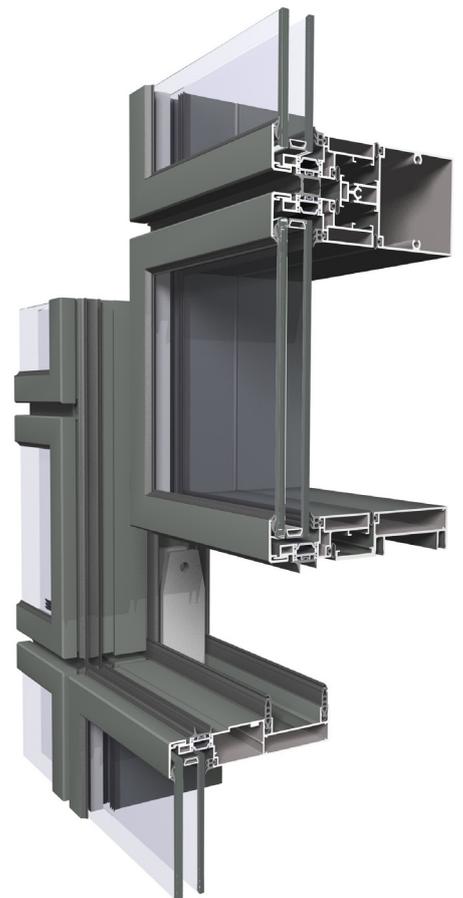
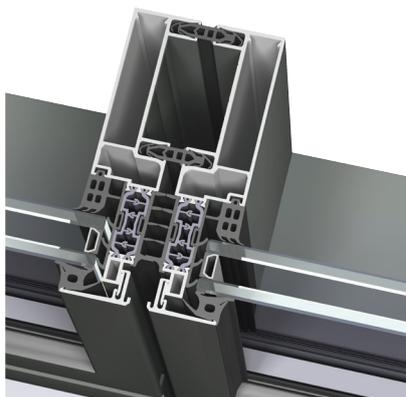
Curtain Walls



High execution speed

ConceptWall 86 is the perfect curtain wall system for large building projects. The well-insulated aluminium profiles are both easy to produce and easy to install, which makes them an efficient high-performance unitised façade solution.

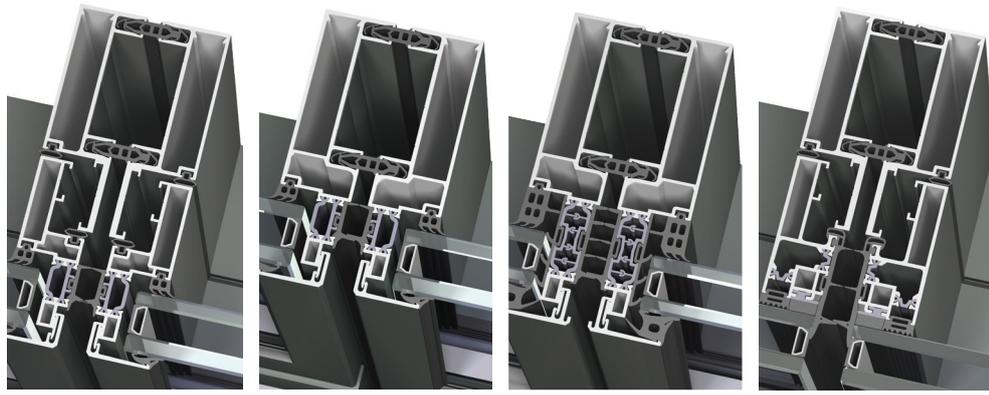
- Slimline design with minimal joints between the elements
- Excellent thermal and AWW performance
- High insulative compared with comparable sections



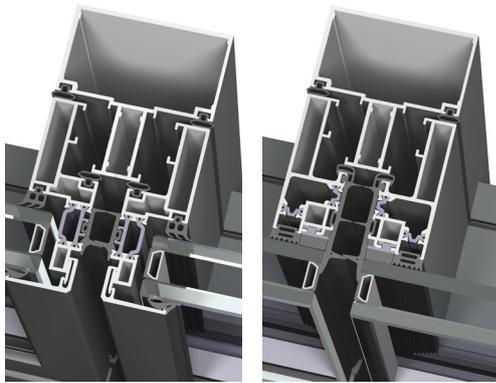
PERFORMANCE

	Thermal insulation (Uf)	Down to 1.5 W/m ² K
	Acoustic performance (Rw (C; Ctr))	Up to 41 (-2; -6) dB
	Air tightness	Up to 900 Pa (class AE900)
	Wind load resistance	Up to 2000 Pa
	Water tightness	Up to 1200 Pa (class RE1200)
	Burglar resistance	Up to RC 2 (EN 1627) upon request

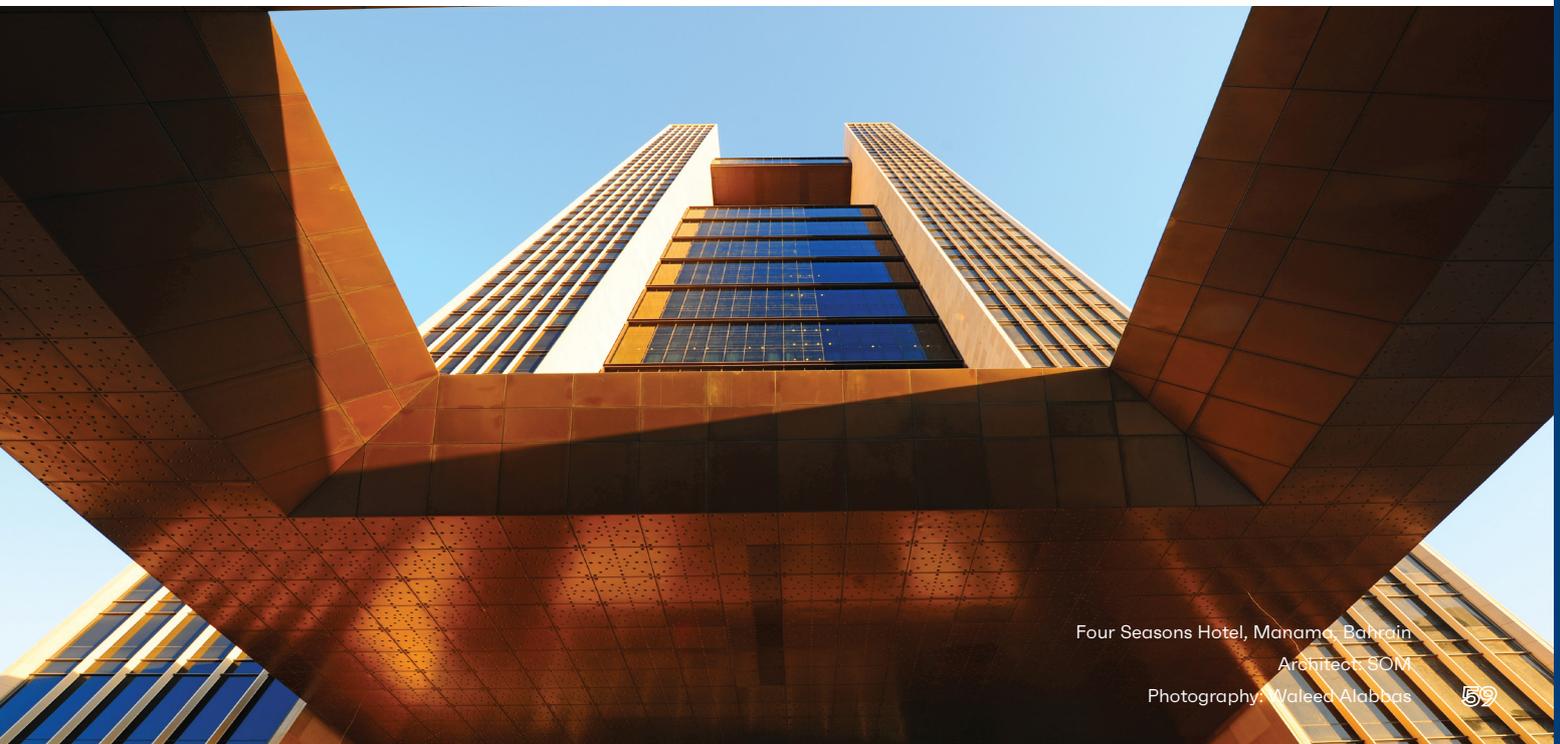
Performances and properties depend on size, profile combinations, hardware and infill choices.



PROPERTIES	GLAZING BEAD / STANDARD	FIXED (JUNIOR)	HIGH INSULATION	STRUCTURAL GLAZED
Interior visible width	86 mm (38.5 - 9 - 38.5)	86 mm (38.5 - 9 - 38.5)	86 mm (38.5 - 9 - 38.5)	86 mm (38.5 - 9 - 38.5)
Exterior visible width	68 mm (26 - 16 - 26) or 86 mm (35 - 16 - 35)	86 mm (35 - 16 - 35)	86 mm (38.5 - 9 - 38.5)	22 mm joint between glass
Glass thickness	4 - 38 mm	6 - 38 mm	30 - 50 mm	4 - 36 mm

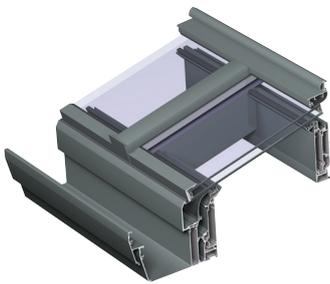


PROPERTIES	SEMI GLAZING BEAD	SEMI STRUCTURAL GLAZED
Interior visible width	86 mm	86 mm
Exterior visible width	68 mm (26 - 16 - 26) or 86 mm (35 - 16 - 35)	22 mm joint between glass
Glass thickness	4 - 38 mm	4 - 36 mm

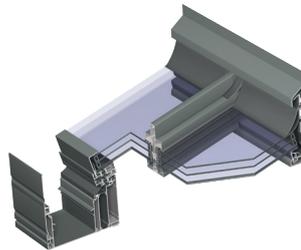




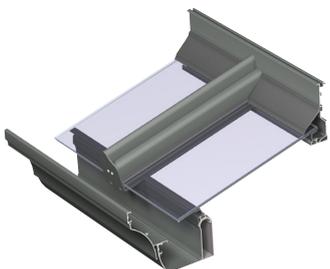
Private House, Ciney, Belgium
Architect : Quattro Concept



ConceptRoof 120



ThermoRoof 200



ParallelRoof 100



Cintro

Conservatories & Skylights



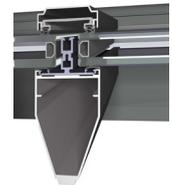
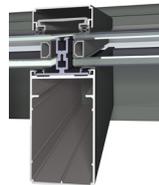
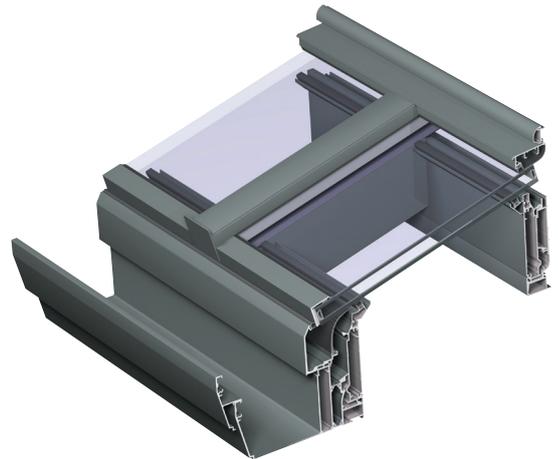
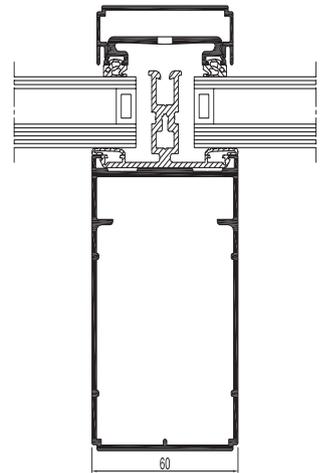
MasterLight

ConceptRoof 120

Conservatories

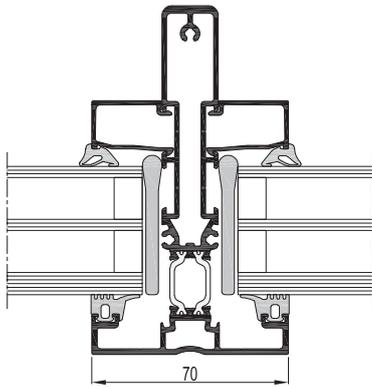
ConceptRoof 120 is a high-end conservatory system that offers a wide range of design options to match any winter garden style perfectly. Available in three different style variants, the profiles seamlessly blend in with our other aluminium systems.

- Our most versatile conservatory solution
- Design freedom
- Combine with opening elements



PROPERTIES	FUNCTIONAL	RENAISSANCE	ORANGERY
Min. visible width of rafter		60 mm	
System depth of rafter		70 / 100 / 120 / 150 mm	
Slope		5° - 25°	
Rooftop		120° - 180°	
Glass thickness		6 - 40 mm	
Glazing method	Dry glazing with EPDM or neutral silicones		
Thermal insulation	Omega-shaped fiberglass reinforced polyamide strips + synthetic profile		
PERFORMANCE			
 Thermal insulation	For specific calculation per profile combination: please contact your Reynaers Aluminium fabricator.		
 Wind load resistance	Up to 800 Pa (class 2)		
 Water tightness	Up to 1050 Pa (class E1050)		

Performances and properties depend on size, profile combinations, hardware and infill choices.

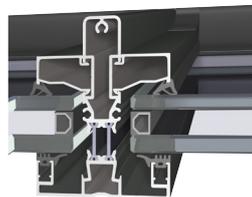
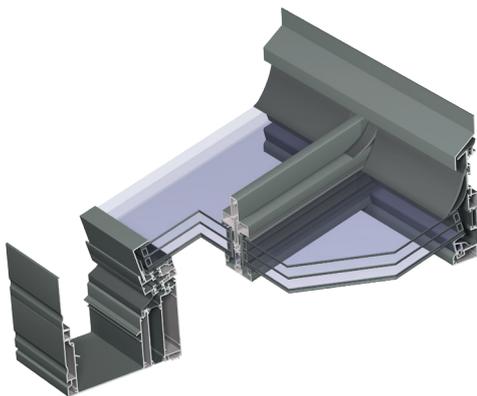


ThermoRoof 200

Conservatories

ThermoRoof 200 is a thermally insulated conservatory system that allows sunshine to enter from every angle. Its sturdy yet slim aluminium rafters support vast surfaces of double or triple glazing and can easily withstand heavy snow loads.

- Excellent thermal insulation by enabling triple glazing
- Multiple gutter designs available
- Combine with opening elements



PROPERTIES

Overall system depth of rafter

Style variants

Min. visible width of rafter

Slope

Construction options

Glass thickness

DOUBLE GLAZING

inside: 18 mm
outside: 23 - 58 mm

Functional / Renaissance / Ellipse

70 / 99 / 128 mm

5° - 45°

Hip and valley

6 - 40 mm

TRIPLE GLAZING

inside: 14.5 mm
outside: 38 mm

Functional / Renaissance / Ellipse

70 / 99 / 128 mm

5° - 45°

Hip

30 - 62 mm

PERFORMANCE



Thermal insulation

U value rafter down to 1.8 W/m²K

For specific calculation per profile combination:
please contact your Reynaers Aluminium fabricator.



Air tightness

Up to 600 Pa (class 3)



Wind load resistance

Up to 800 Pa (class 2)

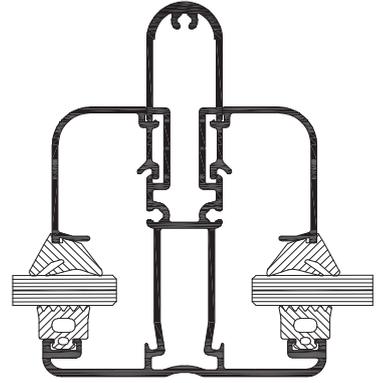


Water tightness

Up to 900 Pa (class E)

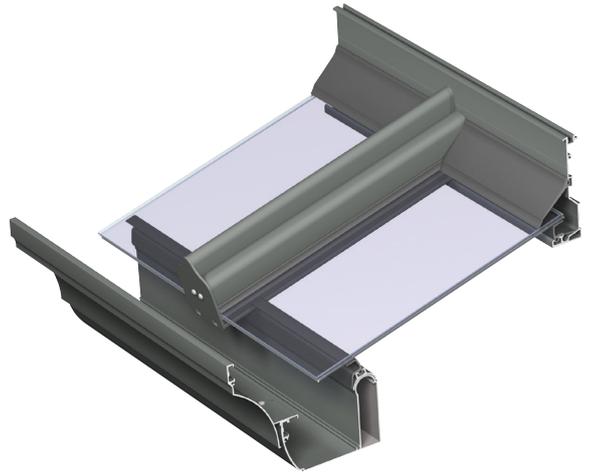
ParallelRoof 100

Conservatories



ParallelRoof 100 is a non-insulated conservatory system that provides the perfect solution for any winter garden, terrace covering, or carport. The sturdy aluminium profiles can withstand the toughest weather conditions all year long.

- Non-insulated, perfect for winter gardens and terrace coverings
- Minimalist design
- Exact colour match with our other products



PROPERTIES

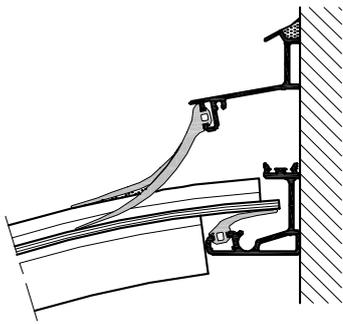
SOFTLINE

Height of rafter	100 - 150 mm
Min. visible width of rafter	75 - 105 mm
Slope	5° - 45°
Glass thickness	8 - 37 mm
Glazing method	dry glazing with EPDM

Performances and properties depend on size, profile combinations, hardware and infill choices.



Reynaers
Aluminium



Cintro

Conservatories



The Cintro curved roof system is the perfect match for all arched spans as it covers walkways, carports, and other home extensions alike. The streamlined aluminium system offers yearlong protection against all kinds of weather conditions.

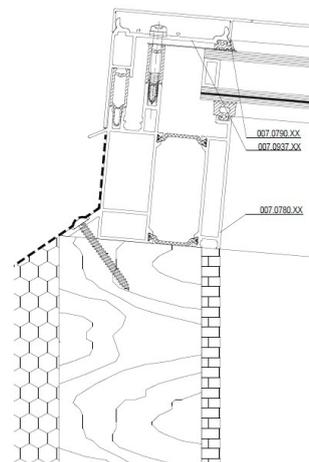
- Economic solution to provide protection against the elements
- Even for narrow setups like single walkways
- Minimalist design

PROPERTIES	CINTRO
Inner visible width	60 mm
Outer visible width	60 mm
Height of the covers	8 mm
Height of the bearing profile	8 – 35 mm
Inertia of the bearing profile	$I_x = 0.2$ to 9.8 cm^4
Filling thickness	2 - 32 mm



MasterLight

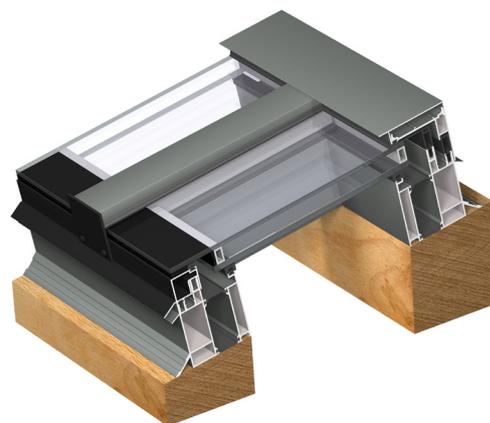
Skylights



The sky is the limit

This skylight will help you creating sunny spaces in new build or renovation projects. It perfectly integrates with a flat or angled roof, and is ready to accommodate double or triple glazing.

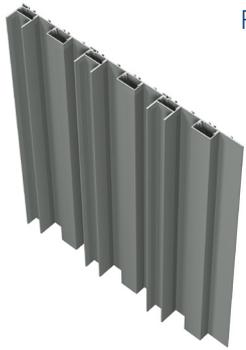
- High performance skylight
- High-quality aesthetical finish
- Ready for energy-efficient triple glazing



PROPERTIES	SINGLE / MULTIPLE PANELS
Min. visible frame height	145 mm
Min. visible frame depth	96,3 mm
Min. visible rafter width	50 / 60 mm
Min. visible rafter height	24 - 88 mm
Slope	2° - 30°
Rebate height	30 mm
Glass thickness	28 - 53 mm
Max size and weight of glass	Check with glass supplier
PERFORMANCE	
 Thermal insulation	U _{tj} value down to 2.8 W/m ² K
 Air tightness	Up to Class 4
 Wind load resistance	Up to 1600 Pa (class 4)
 Water tightness	Up to 750 Pa (E750)

Performances and properties depend on size, profile combinations, hardware and infill choices.





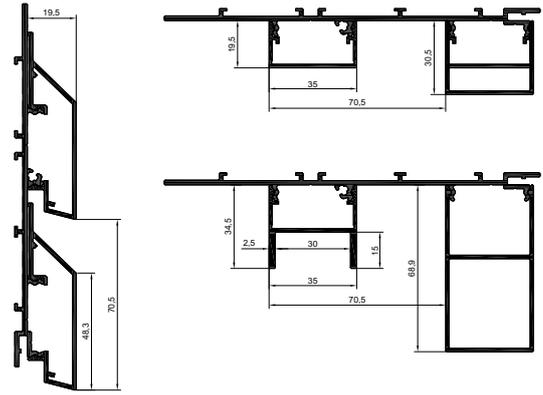
Paralline

Cladding



Paralline

Cladding

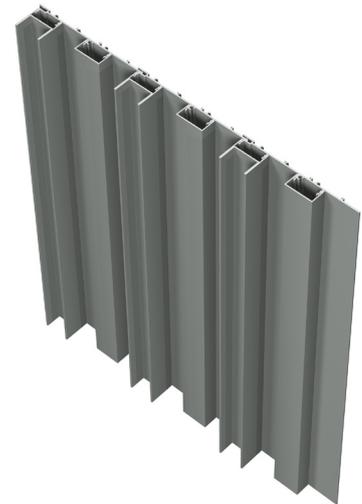


Little effort, to make your home unique

Paralline aluminium façade cladding combines sustainable elegance and unlimited creative freedom in all its design variants. The new product line helps to create one-of-a-kind homes and buildings with only a few aluminium profiles.

Cladding can be installed on the wall with the base plates, but can also run over windows for a semi-open view.

- Your one-stop shop for aluminium joinery
- Endless design options
- Available in all colours of our product offer



DESIGN OPTIONS	LOW	MID	HIGH
	FIN	HORIZONTAL	COMBO





La Salle, Barcelona, Spain
Architect : Robert y Esteve Terradas Muntañola



Solar Shading



Flyscreen

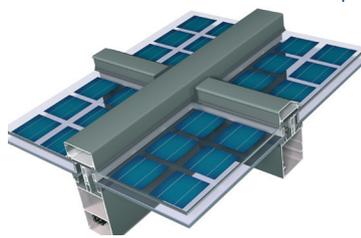
Options



Balustrades



PV / Solar panels

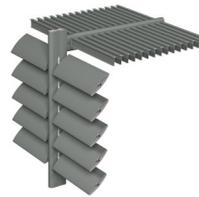


Solar shading

Options

Complete shading solutions

Regulating daylight entrance affects people's comfort, but it also contributes to the energy efficiency of your building. From flexible roll-up screens to fixed or moveable structural profiles, Reynaers Aluminium solar shading solutions come in all shapes, colours and finish types for an optimal customised experience.



PROPERTIES	BRISOLEIL 100 PRE-ASSEMBLED FRAME	BRISOLEIL 100 FIXED LOUVRE	BRISOLEIL 100 MOVABLE LOUVRE
Shape louvres	ellipse	ellipse	ellipse
Size louvers	140 / 180 mm	120 - 400 mm	120 - 400 mm
(Fixed) angle	45°	0° / 15° / 30° / 45° / 60° / 75° / 90°	variable
Walkway application	yes	yes	yes

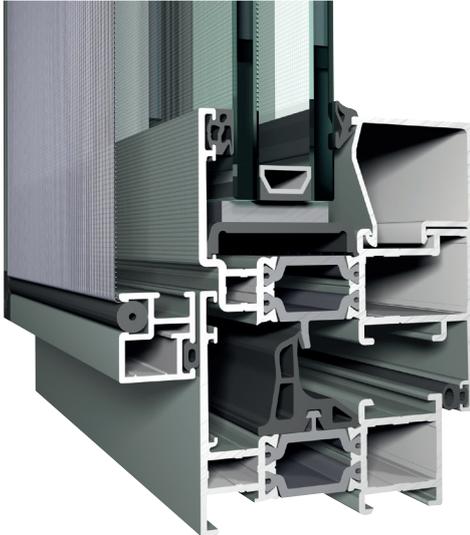


PROPERTIES	BRISOLEIL 100 LOUVRE GRIP	BRISOLEIL 100 GLASS LOUVRES	BRISOLEIL 30 FRAME SYSTEM
Shape louvres	ellipse	hardened glass	z-shaped
Size louvers	200 / 250 / 300 mm	366 x 10 / 12 / 14 / 17 mm	90 mm wide x 60 mm high
(Fixed) angle	0° / 15° / 30° / 45°	0° / 15° / 30° / 45° / 60° / 75° / 90° and variable	yes
Walkway application	no	yes	yes

Performances and properties depend on size, profile combinations, hardware and infill choices.

Flyscreen

Options

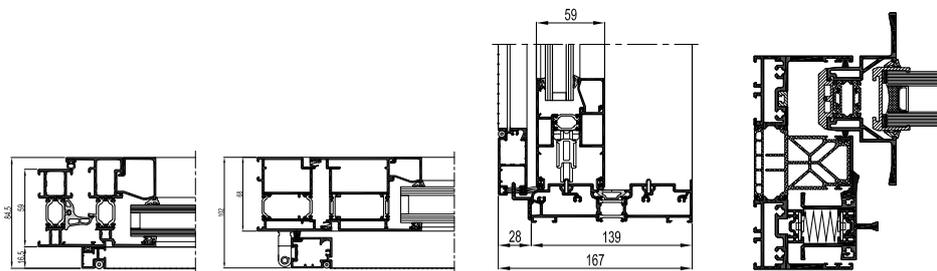


Keep out insects

Flyscreen/Mosquito is a wire screen system, mounted on or integrated in a window, door or sliding door, which keeps out insects with a minimal interference of the view outside. The insect screen concept allows the windows, doors or sliding doors to be opened or closed without removing it. For the sliding insect screen, the rail is situated above or at the bottom of the door, assuring optimal comfort.

The Mosquito system is an add-on system, compatible with all Reynaers Aluminium window, door and sliding door systems as well as systems from other system suppliers, even non aluminium windows like wood and PVC.

The Flyscreen is integrated inside the frame of a sliding system, and can be invisibly folded away when not in use. It is available on MasterPatio and HiFinity, and possible to retrofit in most cases.



PROPERTIES	WINDOWS	DOORS	SLIDING SYSTEMS	
System depth	15 / 22 mm	28 mm	28 mm	integrated in frame
Type	Fixed element size, fixed position	Fixed element size, hinged on side	Fixed element size, sliding on dedicated rail	Plissé / Folding mesh
Corners	pre-formed synthetic supporting corner pieces, or aluminium clampable corner.	pneumatically crimped aluminium corner, or aluminium clampable corner.	pneumatically crimped aluminium corner, or aluminium clampable corner.	-



Balustrades

Options

Ensured safety

Reynaers Balustrades are available to provide additional safety to its systems. All of them are tested under supervision of independent notified bodies and/or in renowned test centres according to the most stringent European standards.

To match your style perfectly, the balustrades are available in multiple styles. Besides the traditional set-up of a standalone balustrade with aluminium profiles, ReynaersBalustrade 10 can also be combined with panels, like multilayered glass, plexiglas or acrylic sheets.

The ReynaersBalustrade Glass is an add-on system that is completely transparent so it does not obstruct the view, and the Integrated Glass Balustrade is the ultimate minimalistic solution, seamlessly integrated in the window system. Both of these systems allow you to safely open windows and doors, even without the presence of a balcony.

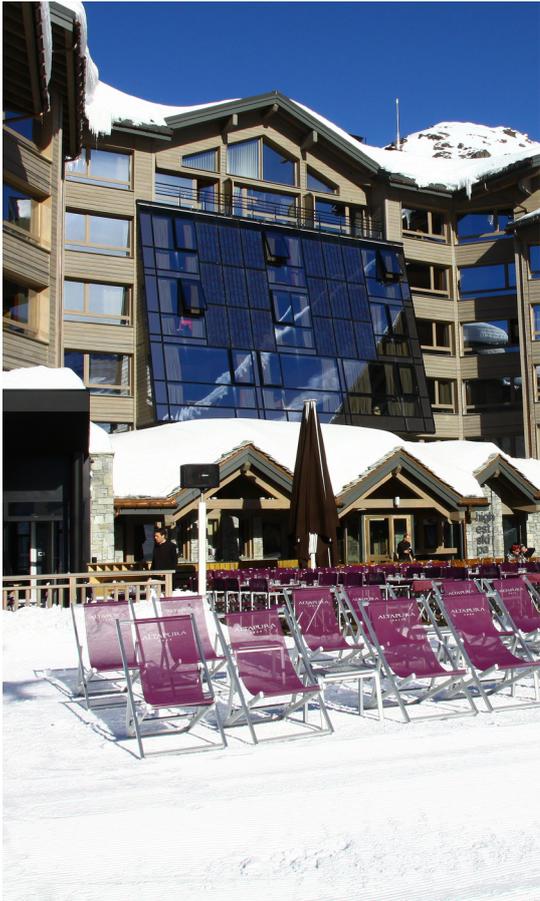


TECHNICAL PROPERTIES	STANDARD	GLASS	INTEGRATED GLASS
Max glass thickness	15 / 22 mm	21 mm	Profile dependant
Compatible with	Standalone	All systems wide enough to fully support the vertical profiles.	MasterLine 8 MasterLine 10
Standards	STS 54 NEN 6702 NF P01-013 Polish system approval	EN 13049 NEN-EN-1991-1-1	EN 13049 NEN-EN-1991-1-1

Performances and properties depend on size, profile combinations, hardware and infill choices.

PV/Solar panels

Options



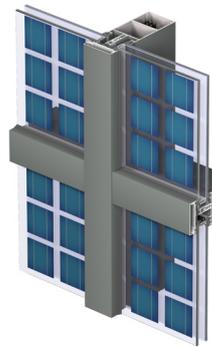
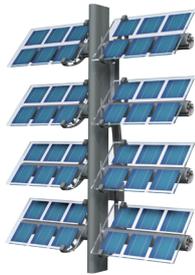
Towards a green future

Reynaers Aluminium provides durable solutions in general, but these complementary products take it to the next level. By enabling the integration of photovoltaic glass panels, the façade becomes an energy source. There are solutions for sunscreens, balustrades and façade systems.

ConceptWall 60 Solar is the aesthetically pleasing high tech green energy solution, ideal for wall and roof application. The system, which is completely insulated, has been designed to completely avoid shadow on the cells.

The BriseSoleil systems combine 2 energy efficient concepts: harvesting solar energy and protecting the inside climate from overheating.

All variants can handle all 3 types of PV panels: mono- and polychrystalline, and amorphous cells.



TECHNICAL PROPERTIES	BRISESOLEIL 100	BRISESOLEIL 30	CONCEPTWALL 60	REYNAERSBALUSTRADE 10	
				Accessible balconies	Non-accessible balconies
Filling type	Glass edged photovoltaic modules, semi transparent or normal, crystalline or amorphous, single glassed, side PV panel box or back PV panel box	Standard or glass edged photovoltaic modules, semi transparent or normal, crystalline or amorphous, single glassed, back PV panel box	Glass edged photovoltaic modules, semi transparent or normal, crystalline or amorphous, single or double glassed, side PV panel box or back PV panel box	Standard or glass edged photovoltaic modules, semi transparent or normal, crystalline or amorphous, single glassed, back PV panel box	
Inclination	0° - 45°	15° - 45°	5° - 90°	90°	60° - 90°



Private House, Houtvenne, Belgium
Architect: Wim Vermariën
Photo: Louis Jongeneelen



Contour



Touch



Horizon

Handles



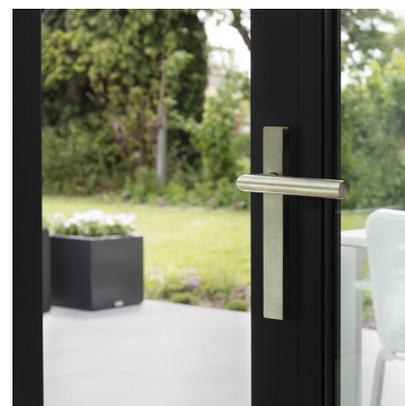
Olimpo



DoorPulls

Contour

Handles



Modern safety

Contour is a range of robust stainless-steel handles that meets even the strictest durability and safety demands. Fresh and modern design ensures the burglar-resistant solutions easily integrate with most of our systems and opening types.

- Robust and hygienic stainless steel
- Safety variants with a modern look
- Available for our complete range of opening types

PRODUCT GROUPS	WINDOWS	DOORS
		
	<p data-bbox="715 1240 855 1267">LIFT- SLIDING</p> 	<p data-bbox="1166 1240 1374 1267">SLIDING / FOLDING</p> 
FEATURES		
Surface treatment	stainless steel	
Colours	stainless steel	
Options	short shield, long shield, lockable, pull protection, with/without cylinder, ...	
Use	doors, inward opening windows, sliding + lift-slide doors, folding doors	

For a full overview of all possibilities, please check the dedicated Handles Overview brochure.



Touch

Handles

Timeless and versatile

The Touch handle series offers a sleek, elegant and slim hardware solution that matches windows, doors, sliding doors, and folding doors alike. The high-end handles are available in all RAL colours, including textured and anodised finishes.

- High-end quality, elegant design
- Available for our complete range of opening types
- Available in all RAL colours including textured and anodised

PRODUCT GROUPS	WINDOWS	DOORS
		
	LIFT- SLIDING	SLIDING / FOLDING
		

FEATURES	
Surface treatment	anodised or powder-coated
Colours	available in all RAL colours and textures (same as the profiles)
Options	roseless, short shield, long shield, lockable, pull protection, with/without cylinder, reduced depth, ...
Use	doors, inward opening windows, sliding + lift-slide doors, folding doors

Horizon

Handles



Contemporary renovation

Horizon handles merge seamlessly into any aluminium window, door, or sliding system thanks to their exceptionally sleek design. The versatile handles fit perfectly into every architectural style, offering an ideal match for renovation projects.

- Organic and sleek shape
- Available in all RAL colours including textured and anodised
- Perfect for renovation projects

PRODUCT GROUPS	WINDOWS	DOORS
		
	LIFT- SLIDING	SLIDING / FOLDING
		

FEATURES	
Surface treatment	anodised or powder-coated
Colours	available in all RAL colours and textures (same as the profiles)
Options	roseless, short shield, long shield, lockable, with/without cylinder, reduced depth, panic handles, ...
Use	doors, inward opening windows, sliding + lift-slide doors, folding doors

For a full overview of all possibilities, please check the dedicated Handles Overview brochure.



Olimpo

Handles

Affordable design

The Olimpo handle line introduces an up-to-date design that meets the latest aesthetic trends at an affordable price. Smooth looks and various finishing options result in a high-quality hardware solution that fits any building style perfectly.

- Affordable design
- Lockable variants available
- Available for our complete range of opening types

PRODUCT GROUPS	WINDOWS	DOORS
		
	LIFT- SLIDING	SLIDING / FOLDING
		
FEATURES		
Surface treatment	anodised or powder-coated	
Colours	available in all RAL colours and textures (same as the profiles)	
Options	roseless, short shield, lockable, with/without cylinder, internal gearbox, ...	
Use	doors, inward opening windows, sliding + lift-slide doors, folding doors	

DoorPulls

Handles



A great first impression

Door pulls provide easy access for both residential and public buildings. Mostly installed on entrance doors, the stylish pull bars come in a variety of impressive designs, matching the character of any project.

- One-stop-shop for all entry door components
- Many designs and finishes to choose from
- Possibility to combine with complementary products, like fingerprint scanners

PRODUCT GROUPS

ENTRANCE DOORS / SLIDING DOORS

EXCLUSIVE FOR HIFINITY

A. DoorPull Hook



B. DoorPull Round



A. DoorPull HiFinity



C. DoorPull Square



D. DoorPull Fin



E. DoorPull Plus



B. DoorPull HiFinity Fin



FEATURES

Surface treatment	anodised or powder-coated (except for DoorPull Round : stainless steel)
Colours	available in all RAL colours (except for DoorPull Round: stainless steel)
Options	short pull handle, full height pull bar, access control integration

For a full overview of all possibilities, please check the dedicated Handles Overview brochure.



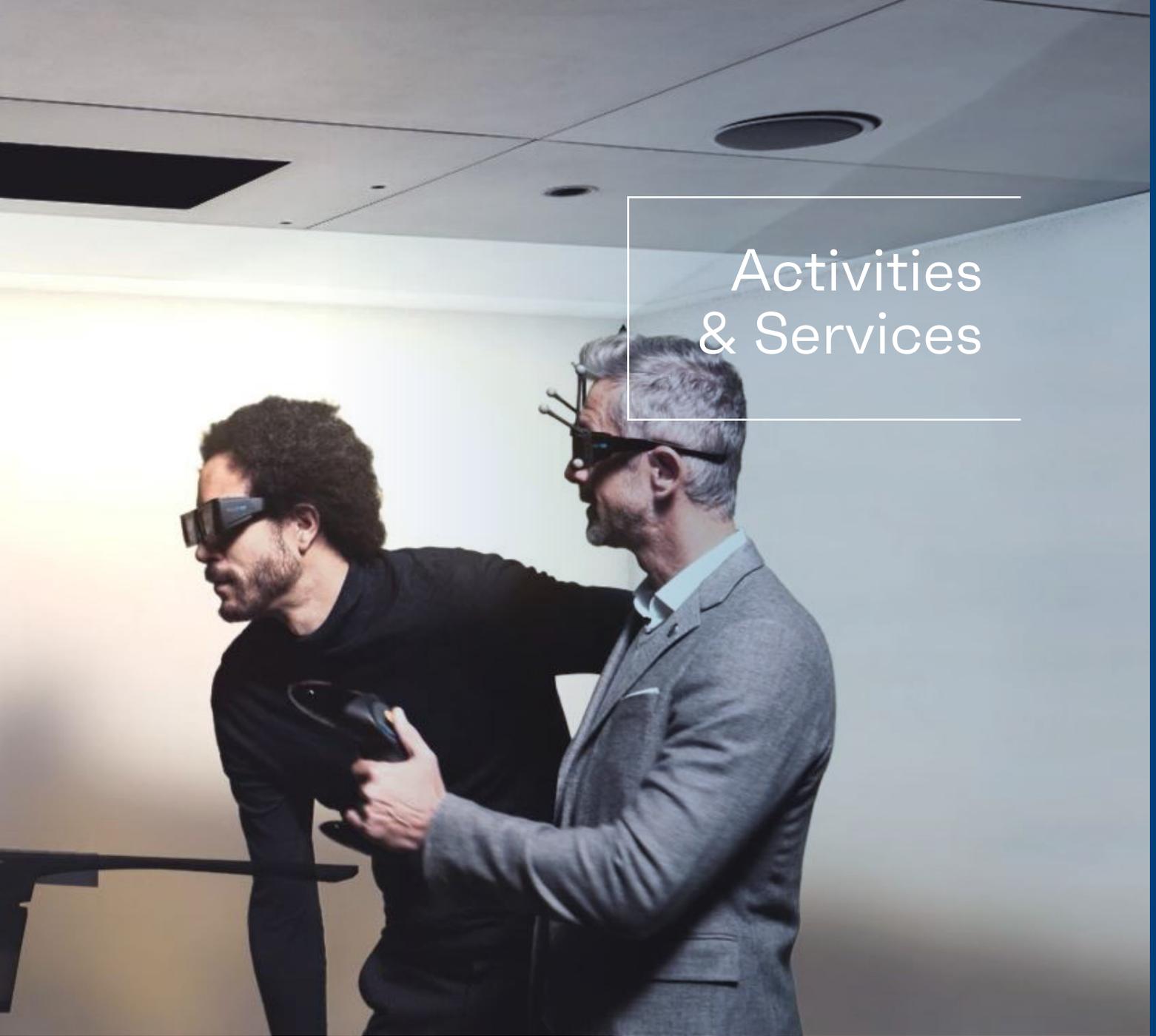


AVALON @ Reynaers HQ, Duffel, Belgium
Virtual Reality Room for project visualisation.



Reynaers
Aluminium

Activities & Services



High quality, innovative products

Research & Development

Reynaers Aluminium puts enormous investment into research and development to maintain its position at the forefront of the industry. We work closely with architects and building contractors all over the world, developing systems and solutions for total facade construction – from the design concept through to manufacturing and installation.

Reynaers Aluminium's high-performance window, door and curtain wall systems are developed to enhance the energy-efficiency, design, comfort and safety of buildings.

In the development stage we follow 4 key innovation drivers:



Sustainability

Energy efficiency :
thermal insulation,
sunscreening, solar,
cradle-to-cradle,
green labels



Safety

burglar proof,
fire proof, bullet proof,
smoke evacuation,
blast resistance,
hurricane proof,
earth quake proof



Comfort

interior climate,
acoustic insulation,
integration of systems in
floors, daylight, domotics,
water-tightness



Design

transparency:
large glass panes,
slim profiles,
full glass panes, clean
details

Quality management

Reynaers Aluminium aims to still be valued by its partners ten years from now. Customer satisfaction and quality assurance are closely linked, so they are both high on our list of priorities. Together with our suppliers we endeavour to guarantee permanent high quality.

ISO 9001:2008 certification: proves permanent quality control



Striving for quality is no empty slogan at Reynaers Aluminium. We permanently and systematically update our quality control as proven by our ISO 9001 : 2008 certification. In order to acquire and maintain this certification, our departments responsible for design, production and delivery of all our products and services, are regularly inspected.

Qualicoat guarantees top-quality lacquer work



All our lacquering partners bear the European Qualicoat quality label, which implies that they meet specific requirements with respect to seals, service life, UV-resistance, discolouration, etc., representing the best possible guarantee for the quality of the lacquer work.

Qualanod guarantees optimal anodisation



All our anodising suppliers bear the European Qualanod quality label and consequently meet specific requirements with respect to seals, service life, UV-resistance, discolouration, etc., representing the best guarantee for the quality of the anodisation.

10 year system guarantee

Reynaers Aluminium guarantees that the Reynaers Aluminium systems meet the technical specifications and standards of the country and the product in question. The current processing and maintenance regulations mentioned in the Reynaers Aluminium catalogues determine the extent of this 10 year guarantee (a 5 year guarantee for wearing parts).



Object of the Guarantee

The products delivered by Reynaers Aluminium have the following properties and/or guarantees, with explicit exception of items detailed under the headings “validity” and “exclusions”.

Aluminium

Standards extruded aluminium:

- Composition to standard EN 573 parts 3 and 4;
- Mechanical properties to standard EN 755 part 2;
- Tolerances to standard DIN 17 615 and EN 12020 part 2;

Standards rolled aluminium:

- Composition painted aluminium EN AW 1050 A H24 to standard EN 573 part 3;
- Composition anodised aluminium EN AW 5005 H14 AQ to standard EN 573 part 3;
- Mechanical properties to standard EN 485 part 2;
- Tolerances to standard EN 485 part 4.

Painting and Anodising

A 10 year guarantee on:

- Detachment, flaking and blistering of the treated aluminium parts.
- Corrosion, including filiform corrosion for material AlMgSi0.5F22 (AW 6060 and AW 6063) with additional requirements Zn \leq 0.15%; Cu \leq 0.02%; Pb \leq 0.022%; Si: 0.30 -0.55%; Fe: 0.10—0.30%; Mg: 0.35%- 0.60%; Mn \leq 0.10%; Cr \leq 0.05%; Ti \leq 0.10%; other elements individually \leq 0.05% together \leq 0.15%; after treatment T66;
- UV resistance, discolouring and loss of gloss exceeding the defined tolerances, according to Qualicoat and Qualanod regulations (latest editions).
- The paintwork warranty can be extended under specific conditions. These conditions can be obtained from Reynaers Aluminium.

Insulation

A 10 year guarantee on:

- Adherence between the polyamide strips and the aluminium;
- Preservation of the thermal and mechanical properties of the insulator, within the boundaries defined by the technical specifications.

Accessories

Accessories, gaskets and synthetic profiles:

- A 10 year guarantee on properties, functionality and design, within restrictions defined by technical specifications;
- Painting and anodising: see above;
- A 5 year guarantee on wearing parts, only applies to normal and realistically foreseeable use.
- A 2 year guarantee on electrical and wood components

All details are specified in the System Guarantee document.

Endless colours & finishes

Colours & finishing

For the surface treatment of the profiles we collaborate with selected painting companies that strictly adhere to our standards and regulations.

Reynaers Aluminium can provide you with different treatments and finishes, depending on your personal taste and on the building environment:

- **Powder coating:**
Suitable for all environments, except mild-aggressive and aggressive environments. Available in large color variations, and has different shine and finishing possibilities.
- **Pre-anodisation and powdercoating:**
Pre-anodisation for aggressive environments (Coastal area < 1km, swimming pool, ...) or Seaside treatment for mild aggressive environments (Coastal area 1-10km, railways, ...) gives the finish increased corrosion resistance. Available in large color variations, and has different shine and finishing possibilities.
- **Anodisation:**
Suitable for all environments, layer thickness is adjusted for aggressive environments. Available in a dozen different colors spanning from natural, champagne, bronze and black. Preserves the natural look of aluminium.



Reynaers Colour Wall

The Reynaers Colour Wall facilitates the selection of the right colour and surface treatment. The colour wall includes a variety of available colours and finishes ranging from metallic or anodized, ano-look, matt or gloss RALcolours, Tiger structure coating, or even special low maintenance and scratch resistant Coatex finish.

We welcome you to the Reynaers Campus to experience the colours along with our latest products and innovations in full interactivity first hand. Contact your Reynaers Aluminium representative to arrange a visit.

Bespoke solutions

Reynaers Aluminium Consult & Project Team

“I have a dream...” Almost everything starts with a dream, a vision. With imagination, enthusiasm and a little help from Reynaers Aluminium, your dream becomes a project that will soon become reality.

As Reynaers Aluminium opens the window on the world, we plan to be there for you not only this year but during the years to come.

We, Reynaers Aluminium consults, engineers and technicians are your professional partners, and we can create a special design. We will support you every step of the way, and we will help you to bring your projects to life.

Bespoke solutions tested and approved

New projects need suitable solutions. That's why we will even develop new products for you. You need a new profile, a special design and different specifications in one of your new projects? Illustrative in this respect is the Heathrow and Gatwick airports project, where special product teams were assigned the task of designing concepts into reality.

All our products' standard measurements are tested and certified. But every so often you will plan a module not covered by standard measurements or that has to meet special requirements. After agreement, Reynaers Aluminium is able to carry out the design for you and test it for wind resistance, water tightness and stability. The testing facilities at the Reynaers Campus are fully compliant with official standards.



Ferrari World, Abu Dhabi, UAE
Architect : Benoy Architects

Thoroughly tested and validated

The Reynaers Aluminium Technology Centre is one of the largest privately owned innovation and testing centres in Europe. All Reynaers Aluminium systems are rigorously tested to ensure that they meet the international standards.

The different tests are centered around these **3 MAJOR TRENDS** in the aluminium industry:

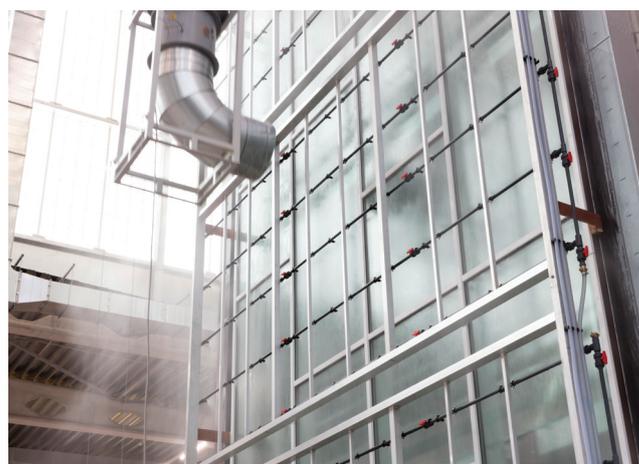
Comfort	Sustainability	Safety
 <ol style="list-style-type: none"> 1. AIR-, WIND-, WATER TIGHTNESS 2. ACOUSTIC INSULATION 3. THERMAL INSULATION 	 <ol style="list-style-type: none"> 1. MECHANICAL PERFORMANCE 2. SOLAR RADIATION 3. OTHER TEST FACILITIES 4. ENERGY PERFORMANCE 	 <ol style="list-style-type: none"> 1. IMPACT RESISTANCE 2. BURGLAR RESISTANCE 3. FIRE RESISTANCE 4. SMOKE RESISTANCE 5. SMOKE & HEAT EVACUATION 6. BULLETPROOF & BLAST RESISTANT

One of the showpieces of the test centre is a state-of-the-art testing wall for curtain walls with a height of 15 m. On this specially developed test wall we carry out air-, wind- and water-tightness tests, especially on glass façades. Thanks to the 15 m height we can test multi-storey elements with connections playing an important role.

For windows and doors, we have a 20 m wide wall at our disposal to execute tests for air permeability, wind load and watertightness. There are 5 calibrated test walls with a total capacity for 10 different test positions.

To ensure that all Reynaers Aluminium systems remain stable and of high quality even after extensive use or after natural disasters, we carry out cyclic tests and earthquake or seismic tests.

In the acoustic test lab, aluminium façade elements are tested on their acoustic insulation. Different test elements can be built in thanks to a flexible partition wall between the sending and receiving room.



The Technology Centre also accommodates the Research Centre, with the R-cube and the R-Lab. The R-cube is a rotatable research- and test installation designed for thermal performance analyses. The R-lab is the dedicated lab to test solutions at an early stage through the use of rapid prototyping and 3D printing.



CE marking

The CE - Marking is now required also in the European building industry. Products have to show the conformity with the appropriate European Regulation. The Construction Products Regulation (CPR) aims to promote the free flow of products within the European Union by overcoming the technical barriers between standards that had previously applied to different countries. The CPR now lays down the basic requirements that products must meet in terms of:

- Mechanical resistance and stability,
- Safety and accessibility in use,
- Safety in case of fire,
- Protection against noise
- Hygiene, health and the environment,
- Energy economy and heat retention
- Sustainable use of natural resources

For the CE - Marking of facades the harmonized product standard 14351-1 is relevant for windows and doors and 13830 for curtain walls.

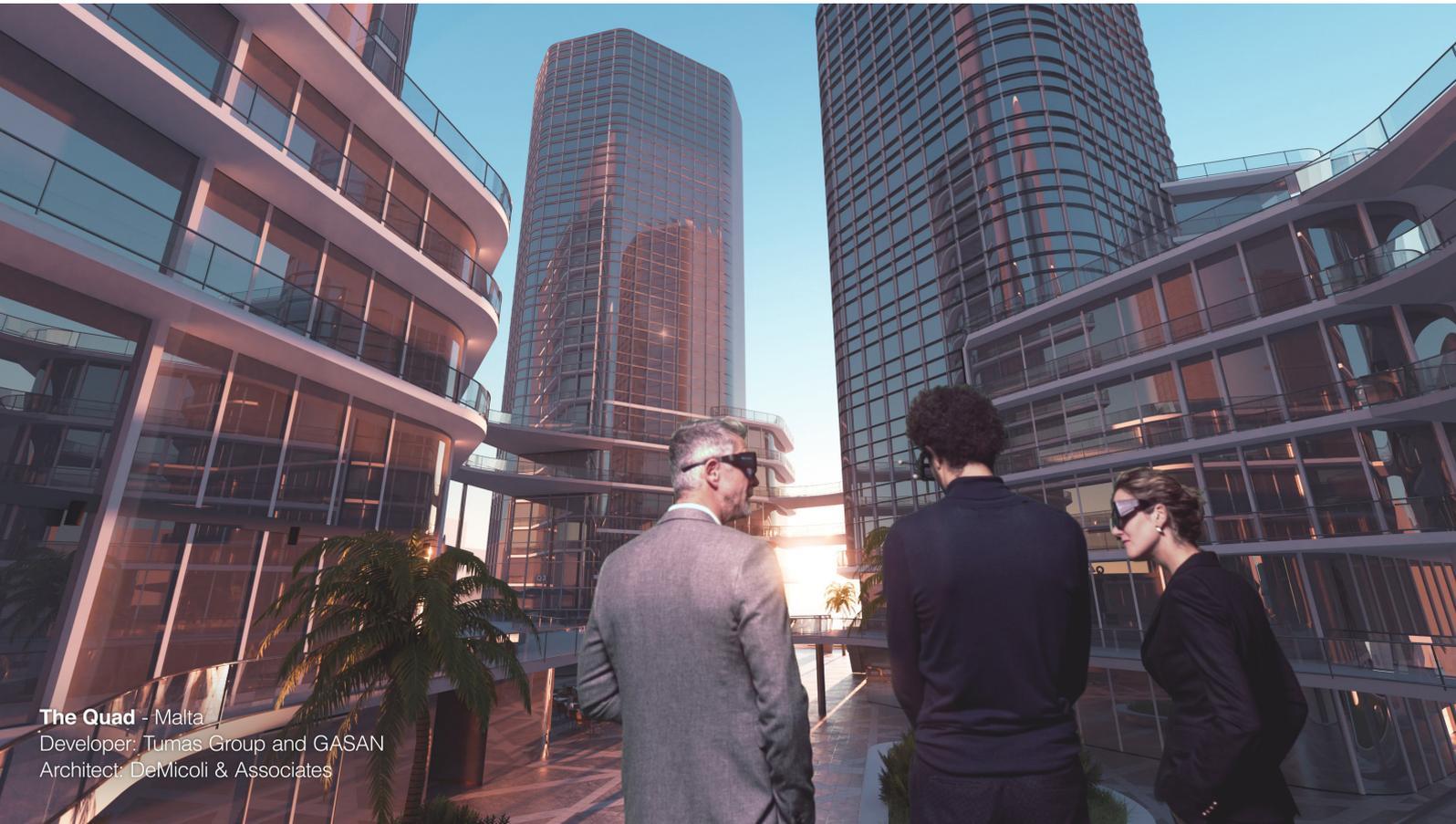
This obligation is not only valid for enterprises exporting to other European Union countries, but also for those, which are exclusively active in their homeland.

The Reynaers Aluminium systems can be CE-marked in accordance with the relevant product standards. This implicates that they are fully compliant with the EU Construction Products Regulation (CPR).

The procedure for CE - Marking of products entails a process that starts with Type Testing (TT) where all the relevant elements of products are tested to determine the extent to which a product will meet the standards that apply to it, and classes of compliance are allocated. A second important item in the CE - Marking is Factory Production Control (FPC). This ensures that the products are manufactured under controlled conditions to ensure that each product meets the performances as determined during the Type Testing.



Digital services along the value chain



The Quad - Malta
Developer: Tumas Group and GASAN
Architect: DeMicoli & Associates

AVALON

Avalon, the Virtual Reality Room at the Reynaers Campus in Belgium, lets you visit future buildings through a shared virtual reality experience. Imagine walking into a building that is still in the design phase. Together with your project partners you can navigate through different spaces and review any design aspect by adjusting dimensions of rooms or building elements and change colours and materials. This powerful tool radically changes the way the design of a building is evaluated and visualized.

For who?

The Avalon VR Room creates an ideal environment for joint experience and collaboration between architects, investors, contractors, and Reynaers experts. You can bring together the different stakeholders of your project for a virtual visit and 3D-evaluation of buildings and solutions.

What can Avalon do for you and your project?

Avalon turns your architectural 3D-model (Revit, Archicad, Sketchup, Navisworks,...) into a virtual model you can step into, enabling you to review all kinds of design and technical aspects from inside or around the building. A dedicated model of both a high-rise office building and private house is created to be able to exchange, configure and experience Reynaers products. Changes to the model can be in realtime, allowing you and the customer to evaluate the different options most realistically and improving the decision-making process.



Reynaers
Aluminium

BIM

Building Information Modelling (BIM) is used to design and document building and infrastructure designs, through the different phases of a project from conception up to demolition or even reuse. In every phase another combination of stakeholders will be involved, each with their own wishes and expectations.

Why BIM?

At Reynaers Aluminium, BIM has proven its added value in many projects. Some of the most important advantages of using BIM are

- Comprehensible translation of our product range
 - Involvement in an early stage
 - Clash detection: saving money and time
 - Providing helpful information during operation and maintenance
 - Way of documenting everything in one central place
 - Collaboration tool
- We offer standard BIM models, useful for a correct visualisation of the outlines of our products.
 - For architects we offer more detail, so they can choose the right opening type, divisions and glass, and include the correct metadata for that specific configuration.
 - We also have a BIM module linked to ReynaPro calculation software, so models can be generated directly from this tool.
 - And finally, in case you want the highest level of detail in your BIM models, we also offer a bespoke service, which provides you with the exact configurations, tailored to your project, even for non-standard solutions.



Automation Centre

Reynaers Aluminium offers a full range of automation solutions to the customer through dedicated partnerships. Every stage of the production process can be optimized using a fine-tuned combination of the right experience and expertise, state-of-the-art machinery, the most recent technologies and an optimized link with our software ReynaPro and ReynaFlow. In this way, the fabricator gets the opportunity to produce in the

most efficient way, reduce costs and increase profitability.

To realize this, we select the best performing and most suitable solution for every operation on our profiles. For most operations, conventional tooling is available. This is the first step to increase efficiency and quality.

Solid marketing tools

Communication

Reynaers Aluminium develops customised technical and marketing tools to provide solutions for our partners with all the means to work as well and efficiently as possible.

A large range of tools and services is at our customers' disposal:

- Corporate website: www.reynaers.com
- Point of Sales material
- Product brochures
- Corporate brochures
- Reference book
- Demo assembly movies on dedicated training channel
- Presence at fairs



Customer portal

On Reynaers Aluminium's Customer Portal, fabricators and installers can access up-to-date technical documentation and commercial information. All information is grouped into categories and easily accessible through a dashboard on the homepage. The customer portal is the central location for all digital Reynaers services.

Product information:

Easy access to catalogues, article information and hardware drawings. Thanks to the integrated notifications feature, users are instantly informed whenever a new version of a document becomes available.

Tools:

Calculation and configuration tools can be found here, such as the colour code calculator, our U-tool, and Statica and Profical websites.

Training:

An overview of all training courses and a library of training videos to explain the assembly of Reynaers systems. A training calendar shows all scheduled trainings at the Reynaers Campus Training Centre, or trainings that are hosted in a local Reynaers training centre.

Machines:

All machines are available for order through Reynaers Aluminium.

Software:

All software solutions for our customers: Electronic Ordering System (EOS), ReynaPro, ReynaFlow, and more.

Order website:

Access to the order website, where customers can find an overview of all running orders and invoices.

Hands-on training & support

Training Centre

At Reynaers Aluminium we endorse the importance of qualitative production and installation for the long-term performance of our aluminium systems. That is why we maintain daily contacts with a strong international network of professional manufacturers and designers and why we advise and train our customers.

We organise numerous training sessions in order to teach our customers the necessary skills and know-how enabling them to provide their own customers with high-quality service. Our practical training is made up of both standard and specialised courses (assembly and installation) as well as software classes.

Reynaers Aluminium organizes an average of 2000 training days every year (both practical training and software training) for its customers and own employees. The trainees come from all over the world.

Dedicated support

Reynaers Aluminium focusses heavily on partner relationships. From project support, over technical support to customer support we stand by your side every step of the way to ensure successfully delivered projects for all stakeholders.



Our green commitment

Reynaers Aluminium is aware that companies play an important role in the care for the environment. That is the reason why we are constantly searching for new ways to become “greener” and are at the forefront in the development of energy saving and sustainable products.



It all starts with the material we use for our profiles: aluminium. The high durability and 100% recyclability without loss of quality has firmly established the reputation of aluminium as the green metal. Its remarkable strength, anti-corrosion and low maintenance Properties make it the ultimate construction material for an industry that is constantly searching for lighter, stronger, more durable and greener alternatives.

The sustainability aspect has been recognized by achieving the Cradle to Cradle certificate (C2C) for a number of the advanced window, door and façade solutions.



In short, the Cradle to Cradle certificate guarantees that:

- no harmful materials are used;
- our systems are made with due respect for raw materials, energy and water usage;
- these systems can be recycled easily.

In doing so, C2C certified systems offer the guarantee of environmentally conscious and circular building.

Sustainability, however, is not restricted to material usage: energy efficiency is also an important point of attention for Reynaers Aluminium. Its continued investments in research

and development resulted in the Passive House certificate and the Swiss Minergie label for several of its systems. These energy-efficient solutions can be used in low- and energy-neutral homes and thus contribute to a sustainable environment.

For architects and builders, it pays to build with C2C, Passive House or Minergie certified systems. The principles of these certificates are closely aligned with BREEAM (BRE Environmental Assessment Method) and LEED (Leadership in Energy and Environmental Design), the internationally recognized labels that determine the sustainability levels of buildings. These certifications show that the buildings are built taking into account environmental issues such as: energy demands of the building, recycling of materials, use of water, comfort of people inside the building, use of renewable energy sources, location of the building,...

The increasing interest in these certificates proves the importance of sustainable construction. With innovative products, continuing research and focus on knowledge exchange Reynaers Aluminium makes a genuine contribution to this way of building.

However, our focus is not only on making our products greener, but also to make ourselves as a company as sustainable as possible. Around the Reynaers Campus, a large green zone ensures optimal and sustainable water management. In addition, the company has been focusing for years on alternative and creative transport solutions for commuter traffic: from (electric) bicycles and carpooling to company cars with low CO₂ emissions. With this policy, Reynaers Aluminium saw its CO₂ footprint falling sharply over a short period. The company was also amongst the first to firmly opt for the large-scale use of solar panels.



Visit our Reynaers Campus



Reynaers Campus

In order to facilitate innovation, Reynaers Campus was established in 2017. This unique institution, with a total surface of 283,000 m², focuses on sharing knowledge and experience with architects, fabricators, contractors and other building partners while inspiring with new technologies.

Next to the Technology, Training and Automation Centre, the Reynaers Campus also has its own Experience centre where future buildings can be explored in our virtual reality room Avalon.

The Reynaers Campus is much more than just a building... It is a state of mind and a permanent incentive to implement values such as partnership and innovation. It is an international communication forum and a source of inspiration for all those involved in the building process.

Experience Centre

The Reynaers Experience Centre is designed to bring people together and inspire you with our latest solutions and state-of-the-art technologies for architectural building solutions. In the Experience Room, you can discover our unique offering, assisted by inspiring digital applications. Together with an auditorium and multiple meeting rooms, this Experience Centre is the place to share know-how and strengthen partnerships.



ABOUT REYNAERS ALUMINIUM

“Together we are improving the living and working environment for people now and for future generations.”

As part of Reynaers Group, Reynaers Aluminium is a leading specialist in the development and marketing of innovative, sustainable aluminium solutions for windows, doors and façades. Together with our partners, we focus on creating energy-efficient, responsibly made products that make a difference for homes, buildings and the people they serve.

Reynaers Aluminium is founded in 1965 and currently employs over 2,600 workers in more than 40 countries worldwide. The company exports to more than 70 countries on 5 different continents. In 2022, Reynaers Group achieved an annual turnover of 756 million euros.

The company's success is strengthened by our close partnership with 5,000 partner fabricators, architects, and project developers worldwide. This unique cooperation is reflected in our motto: Together for better.

At Reynaers Campus, our headquarters in Belgium, we focus on sharing knowledge and experience with architects, fabricators, contractors and other building partners while inspiring them with new technologies. Next to the Technology, Training and Automation Centre, Reynaers Campus also has its own Experience Centre where future buildings can be explored in our virtual reality room Avalon.

For more information: www.reynaers.com



**Reynaers
Aluminium**

Oude Liersebaan 266
B-2570 Duffel

T +32 (0)15 30 88 10
info@reynaers.com

www.reynaers.com