

THE TRUE REFLECTION
OF **ARCHITECTURE**
LIES IN ITS **WINDOWS**

DOOR | WINDOW | RAILING | FACADE



www.halcoalusys.com

ALUSYSTM
BY HALCO
PREMIUM ALUMINIUM SYSTEMS

ALUSYS

About Company

We strive for Innovation and Excellence everyday.

Through our integrated manufacturing facilities spread across 1,50,000 Sqft adhering to strict quality control along the entire production line, we shape 99.7% pure Primary Aluminium Ingots, into end products such as architectural window systems.

With over 10 years of experience and over 400 employees, HALCO® is the largest window profile manufacturer in North-East India.

Through our architectural system division "ALUSYS", we strive to provide unique and efficient fenestration and interior solutions with the use of aluminium systems.

Production Facilities

- 2 Foundries with aluminium billet production capacity of 12,000 Tons
- 2 Aluminium Extrusion lines with a capacity of 8,000 Tons
- 1 Automated Conveyorised Powder Coating Line with a capacity of 4,000 Tons
- 2 Automated Anodising and Electro Color Lines with a capacity of 6,000 Tons
- 1 Sublimation line for wood grain and special finishes
- 1 CNC aluminium fabrication and window assembly plant spread across 20,000 Sqft
- 1 Aluminium window accessories and fittings plant spread across 10,000 Sqft



**Longer
life span**



**Slim
and Strong**



**High
Performance**



**Vast choice of
colour finishes**



**Value to
property**

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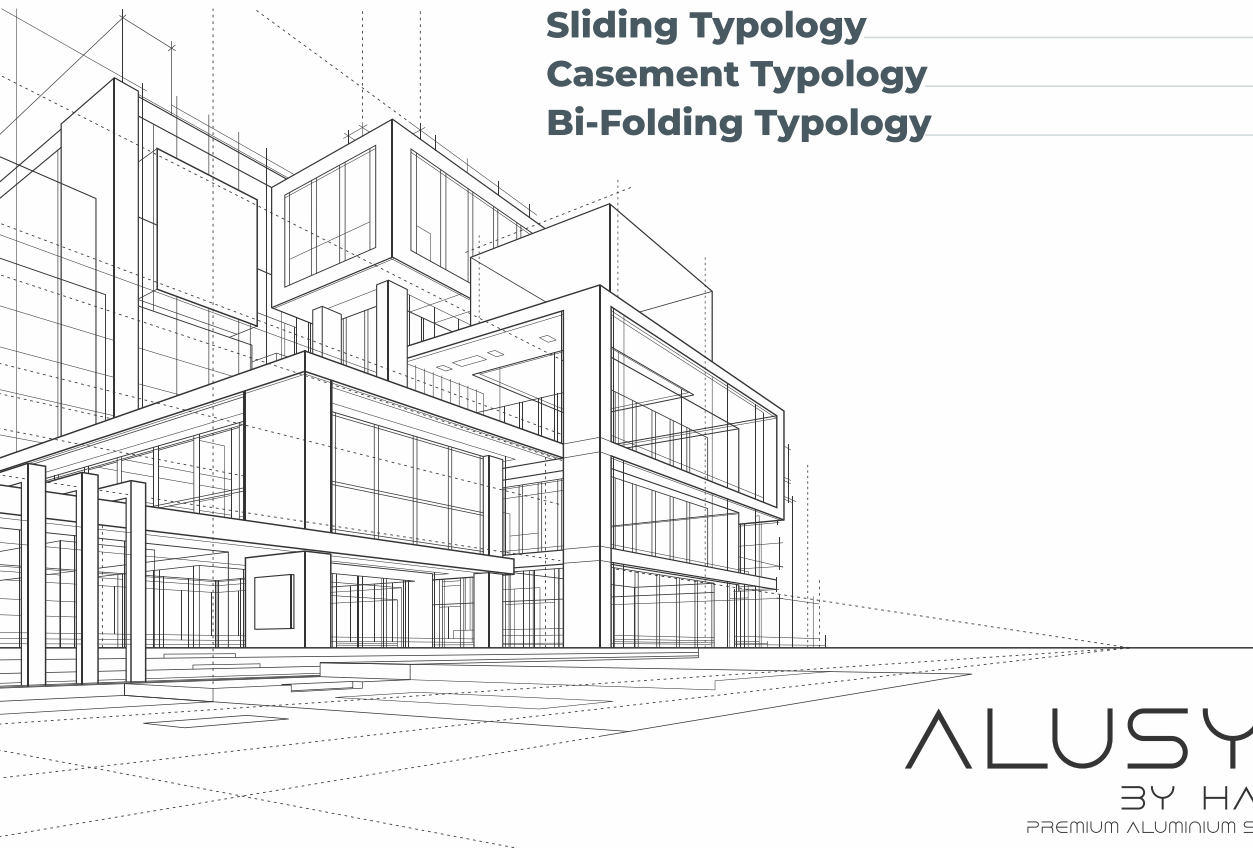
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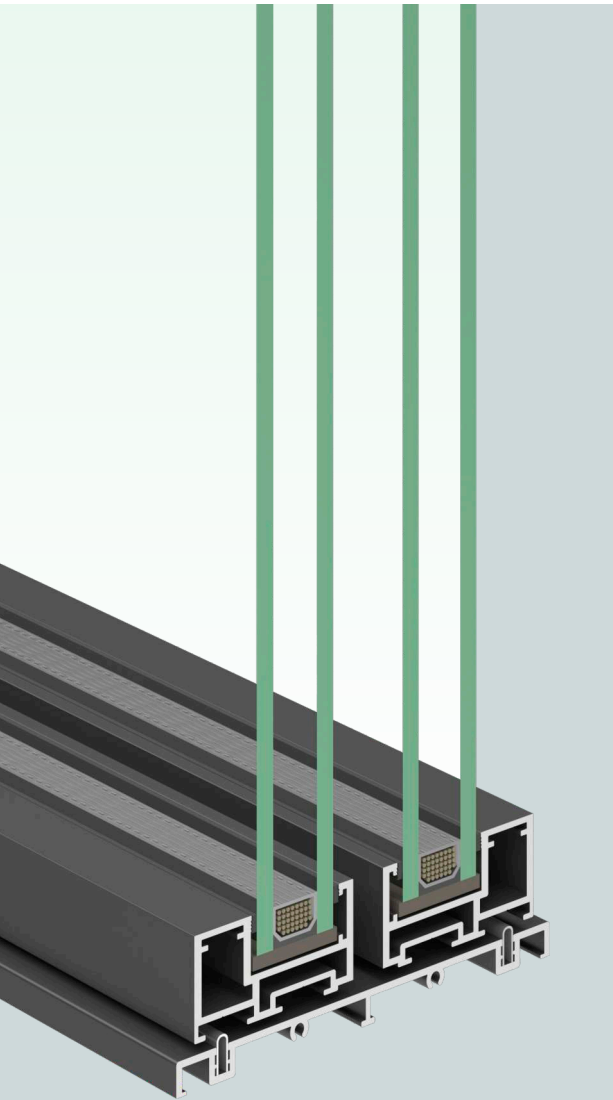


ALUSYSTM
BY HALCO
PREMIUM ALUMINIUM SYSTEMS

MINIMAL
SLIDING
SYSTEMS







The **HALCO ALU MIN+** is a minimal-frame aluminium sliding system, designed for modern architecture that demands unobstructed views, full-height glass, and seamless integration. With concealed shutters and **flush-fitted tracks** on all sides, it creates a barely-there appearance—delivering **maximum natural light** and panoramic elegance.

TECHNICAL SPECIFICATION

■ Max Sash Height	: 4600 mm
■ Max Sash Width	: 2500mm
■ Slim Interlock	: 30 mm
■ Track Options	: 140mm
■ Glass/Panel Thickness	: 24mm - 28mm
■ Frame Joint	: 90°
■ Shutter Joint	: 45°
■ Roller	: Double Roller - 120kg : Double Adjustable Roller -160kg
■ Locking Style	: Multi Point Locking

ALU Min+



AIR
PERMEABILITY



SOUND
INSULATION



WIND
RESISTANCE



IMPACT
RESISTANCE



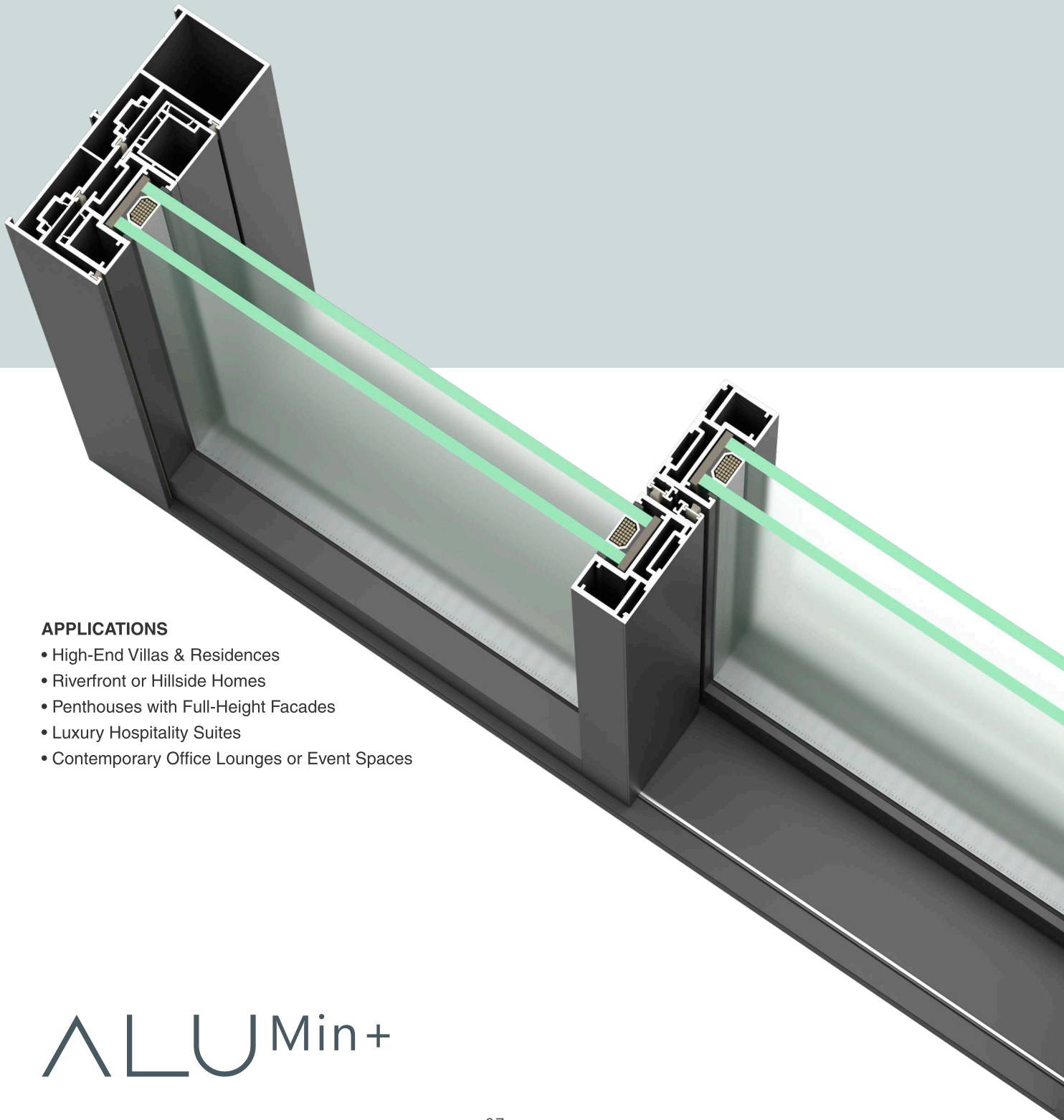
WATER
TIGHTNESS



AIR
TIGHTNESS

PRODUCT HIGHLIGHTS

- **Concealed Shutters** hidden within the floor, ceiling, and wall
- **Fully Flush Track Integration** for a continuous surface appearance
- **Slim Interlocking Profiles** offering almost invisible sightlines
- **Height Capability Up to 4600mm** for full-scale architectural openings
- **Maximum Visibility** and connection to outdoor environments
- **Optimized for Natural Light** to enhance well-being and spatial openness



APPLICATIONS

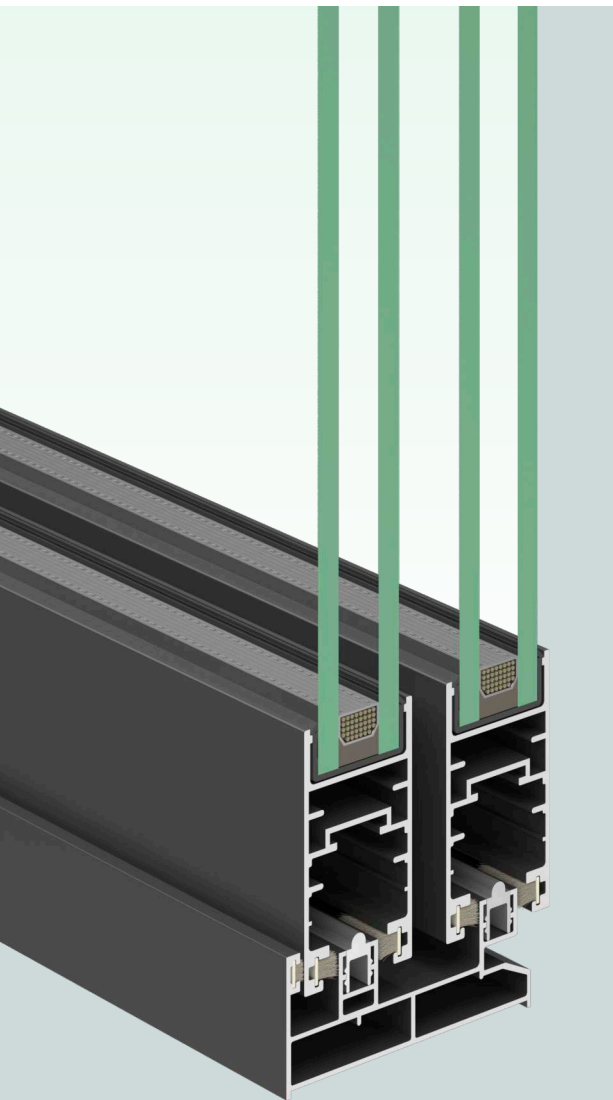
- High-End Villas & Residences
- Riverfront or Hillside Homes
- Penthouses with Full-Height Facades
- Luxury Hospitality Suites
- Contemporary Office Lounges or Event Spaces

ALU Min+

SLIM
SLIDING
SYSTEMS







The **HALCO ALU Slim +** is an elegant, robust sliding solution engineered for high-performance in premium architectural settings. Designed to withstand extreme wind loads and heights up to 4250mm, this system is ideal for high-rise apartments, villas, and bungalows.

TECHNICAL SPECIFICATION

■ Max Sash Height	: 4250 mm
■ Max Sash Width	: 1900 mm
■ Sash Depth	: 71mm
■ Slim Interlock	: 20mm
■ Track Options	: 3T - 137mm, 2T - 87mm
■ Glass/Panel Thickness	: 5mm - 28mm
■ Frame Joint	: 45°
■ Shutter Joint	: 90°, 45°
■ Roller	: Single Roller - 60kg : Double Roller -120kg : Double Adjustable Roller -160kg
■ Locking Style	: Multi Point Locking : Single Point Locking

ALU slim+



AIR
PERMEABILITY



SOUND
INSULATION



WIND
RESISTANCE



IMPACT
RESISTANCE



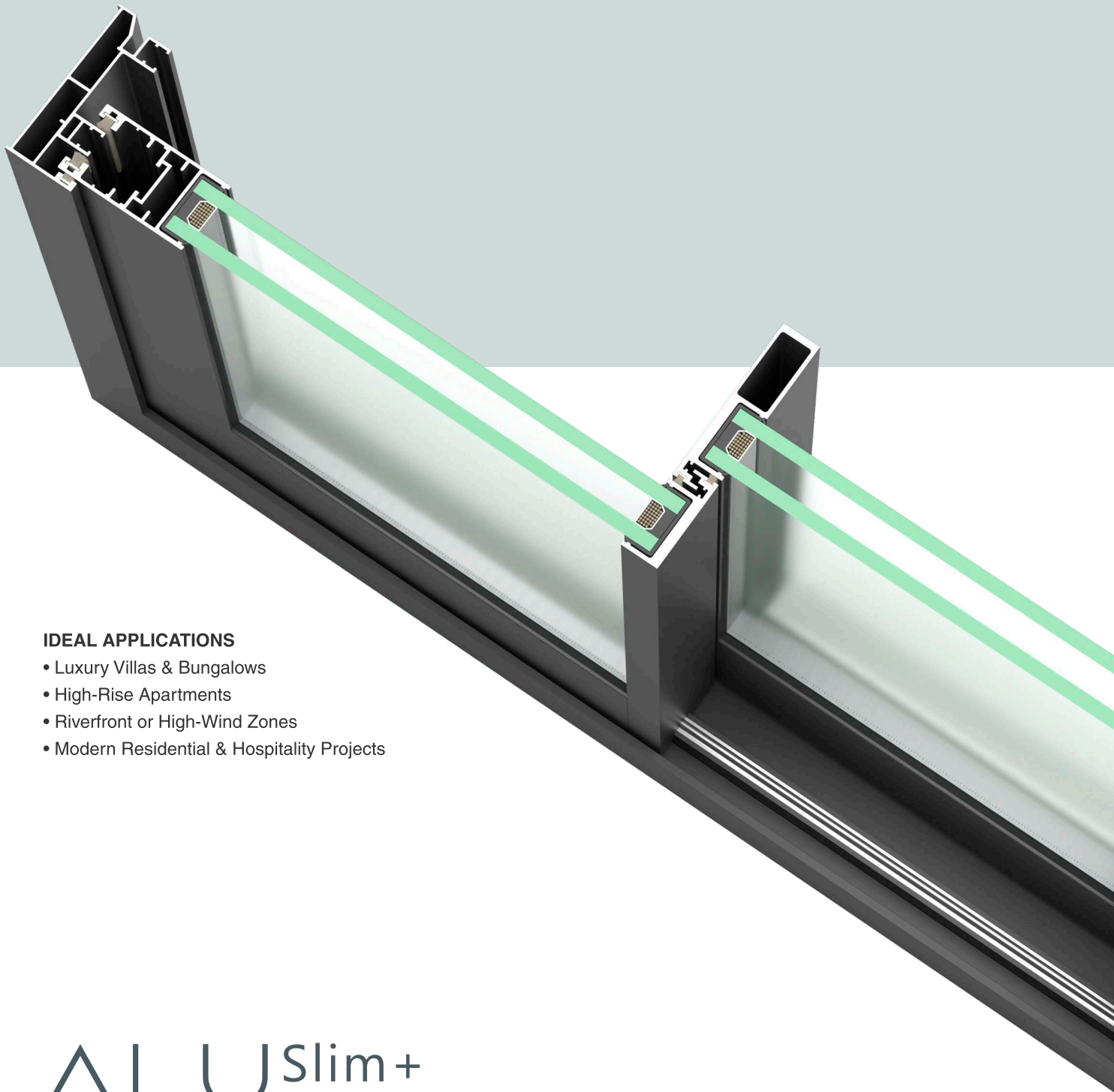
WATER
TIGHTNESS



AIR
TIGHTNESS

KEY FEATURES

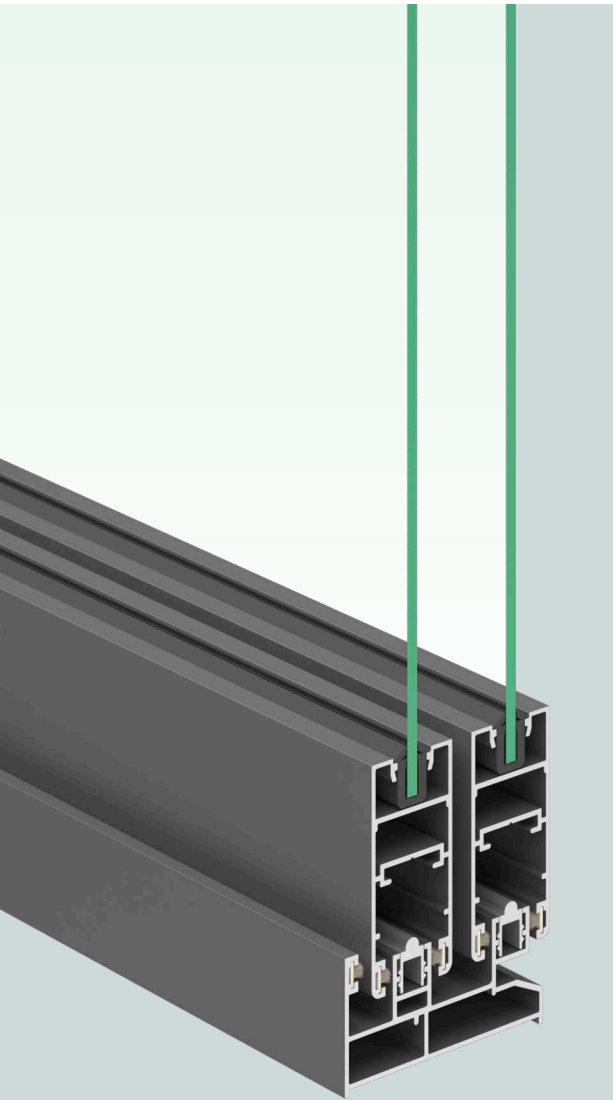
- **Slim Aluminium Profile** for a clean, slim aesthetic
- **Supports Heights up to 4250mm** for expansive glass views
- **Superior Wind, Weather & Sound Resistance** for maximum comfort and safety
- **Double Glazing Compatibility** for thermal and acoustic insulation
- **Optional Georgian Bars** for enhanced design detailing
- **Integrated Insect Screen Channel** for seamless usability
- **Optional Inbuilt MS Security Grills** for added safety



IDEAL APPLICATIONS

- Luxury Villas & Bungalows
- High-Rise Apartments
- Riverfront or High-Wind Zones
- Modern Residential & Hospitality Projects

ALU Slim+



ALU slim

The **HALCO ALU Slim** is, robust system designed for door and window applications in residential and mid-rise buildings. Withstanding heights up to **2800mm**, this system offers exceptional weather, sound, and wind resistance—ideal for homes and apartments alike.

TECHNICAL SPECIFICATION

■ Max Sash Height	: 2800 mm
■ Max Sash Width	: 1300 mm
■ Frame Depth/Sash Depth	: 72mm / 107mm / 66 mm
■ Slim Interlock	: 20 mm
■ Track Options	: 2T - 72mm : 3T - 107mm
■ Glass/Panel Thickness	: 5mm - 24mm
■ Frame Joint	: 45°
■ Shutter Joint	: 90° & 45°
■ Roller	: Single Roller -25kg : Double Roller -90kg
■ Locking Style	: Multi Point Locking : Single Point Locking
■ Insect Screen	: Available
■ Add on track	: Available for Mesh



AIR
PERMEABILITY



SOUND
INSULATION



WIND
RESISTANCE



IMPACT
RESISTANCE



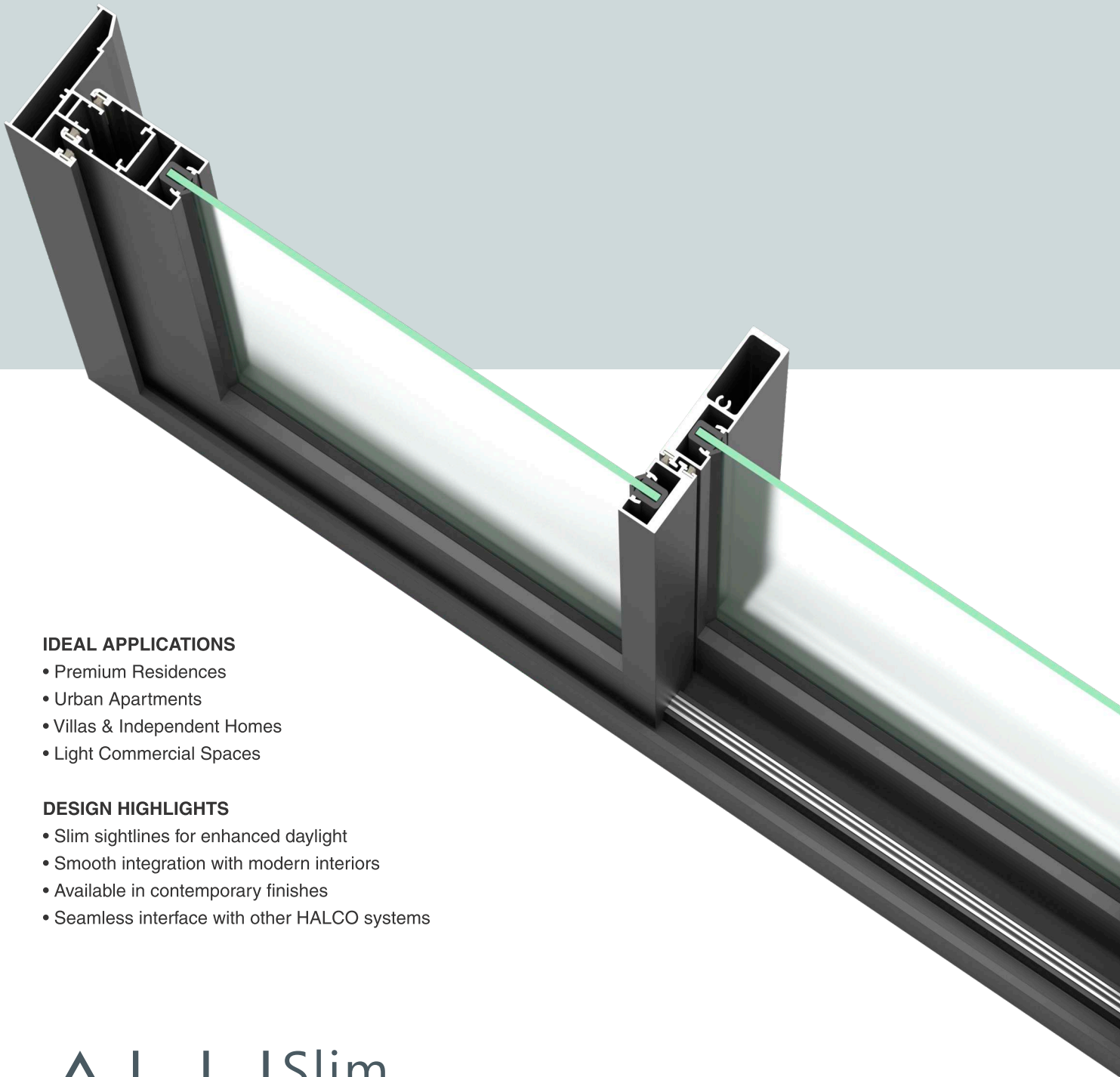
WATER
TIGHTNESS



AIR
TIGHTNESS

KEY FEATURES

- **Slim Aluminium Profile** for modern, minimalist aesthetics
- **Supports Heights up to 2800mm** for tall openings with uninterrupted views
- **Excellent Wind, Weather & Acoustic Resistance** for enhanced comfort
- **Compatible with Double Glazing** for superior thermal and sound insulation
- **Optional Georgian Bars** for classic or contemporary detailing
- **Integrated Insect Screen Channels** for functionality without compromise



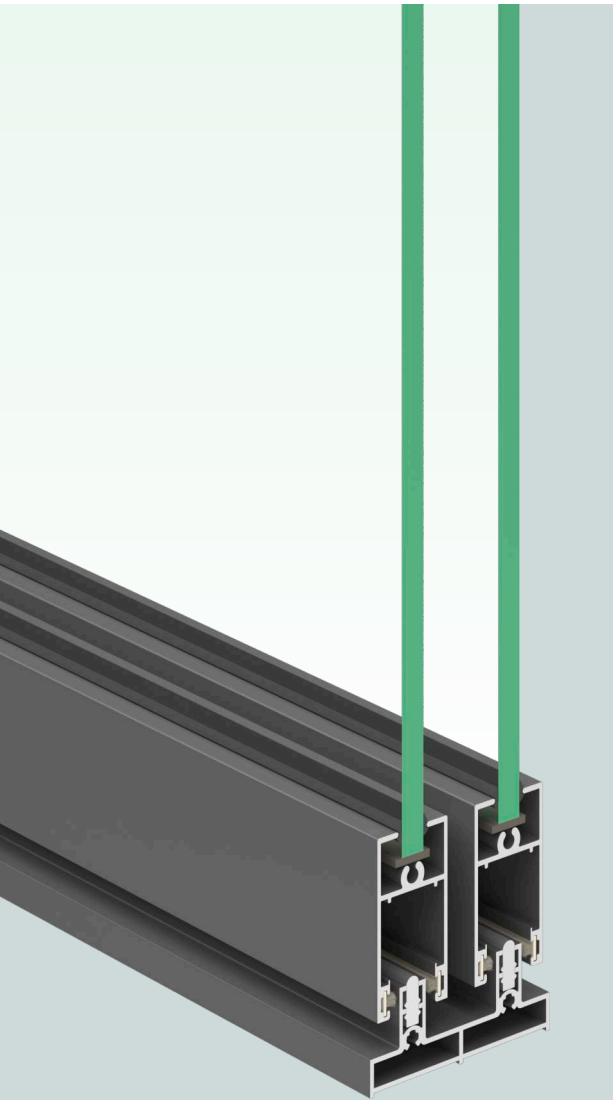
IDEAL APPLICATIONS

- Premium Residences
- Urban Apartments
- Villas & Independent Homes
- Light Commercial Spaces

DESIGN HIGHLIGHTS

- Slim sightlines for enhanced daylight
- Smooth integration with modern interiors
- Available in contemporary finishes
- Seamless interface with other HALCO systems

ALUslim



ALU Smart

The **HALCO ALU Smart** is a slim profile aluminium system optimized for large-scale apartment developments. Engineered for performance and designed with cost-efficiency in mind, it supports heights up to **2200mm**, making it the ideal choice for volume housing without compromising durability or design.

TECHNICAL SPECIFICATION

■ Max Window Height	: 2200 mm
■ Max Shutter Width	: 900 mm
■ Sash Depth	: 55 mm
■ Slim Interlock	: 20 mm
■ Track Options	: 2T -65mm : 3T - 100mm
■ Glass/Panel Thickness	: 5mm - 8mm
■ Frame Joint	: 90°
■ Shutter Joint	: 90°
■ Roller	: Single Roller -25kg : Double Roller -65 kg / 90kg
■ Locking Style	: Multi Point Locking : Single Point Locking
■ Insect Screen	: Available
■ Add on track	: Available for Mesh



AIR
PERMEABILITY



SOUND
INSULATION



WIND
RESISTANCE



IMPACT
RESISTANCE



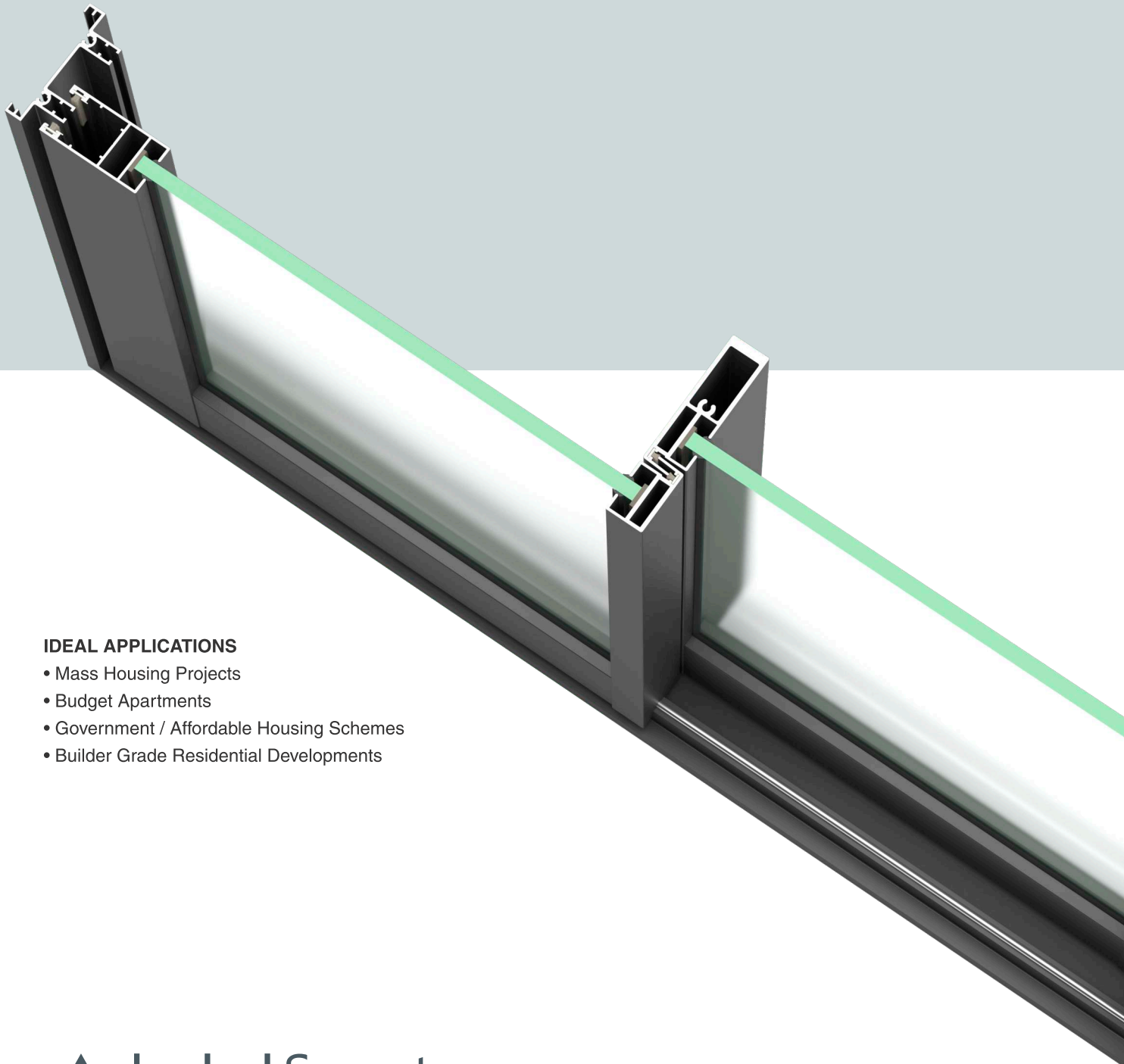
WATER
TIGHTNESS



AIR
TIGHTNESS

KEY FEATURES

- **Slim and Efficient Design** ideal for mid-rise and high-density residential projects
- **Supports Heights up to 2200mm** for standard apartment configurations
- **Cost-Effective Manufacturing** without sacrificing strength and durability
- **Single Glazing Configuration** for efficient thermal and acoustic performance
- **In-Built Insect Screen Channel** for seamless usability
- **Optional Add-On Insect Screens** for flexible integration

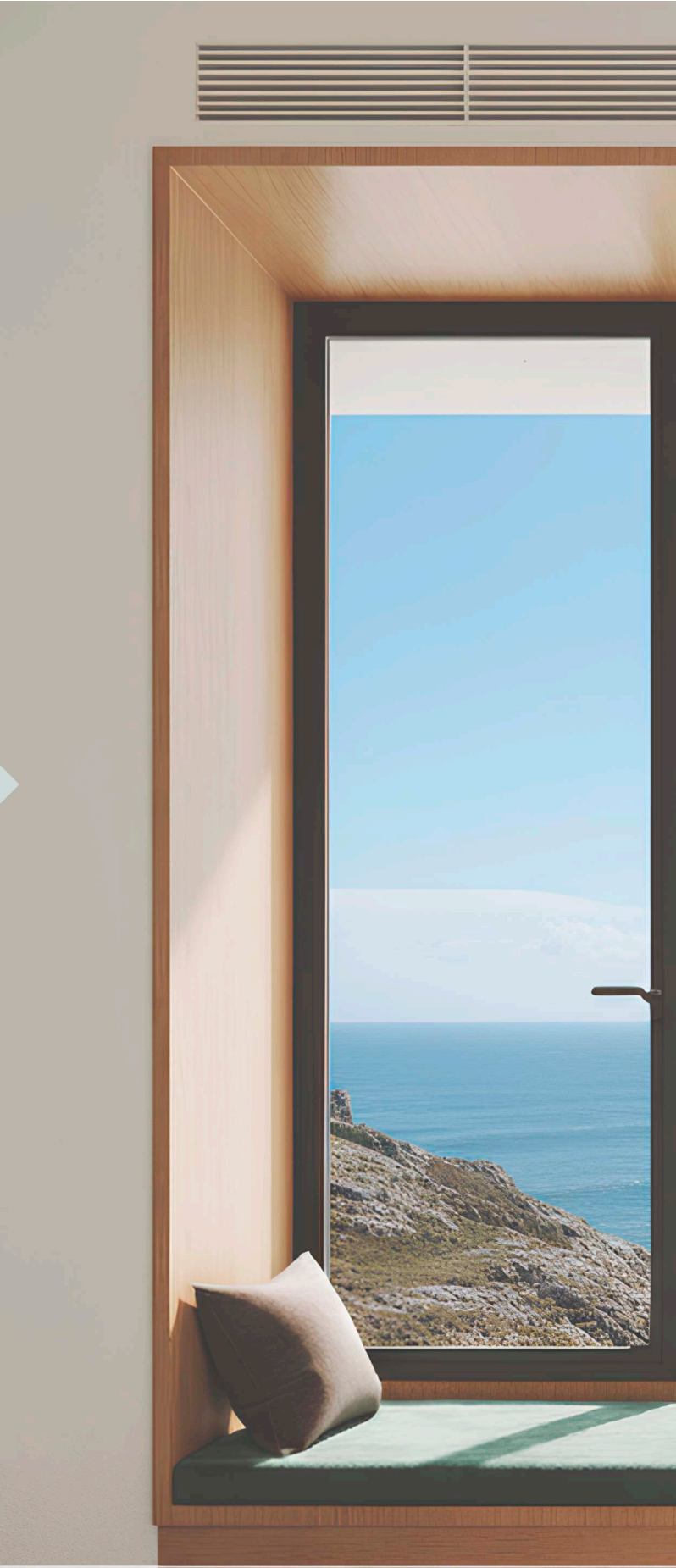


IDEAL APPLICATIONS

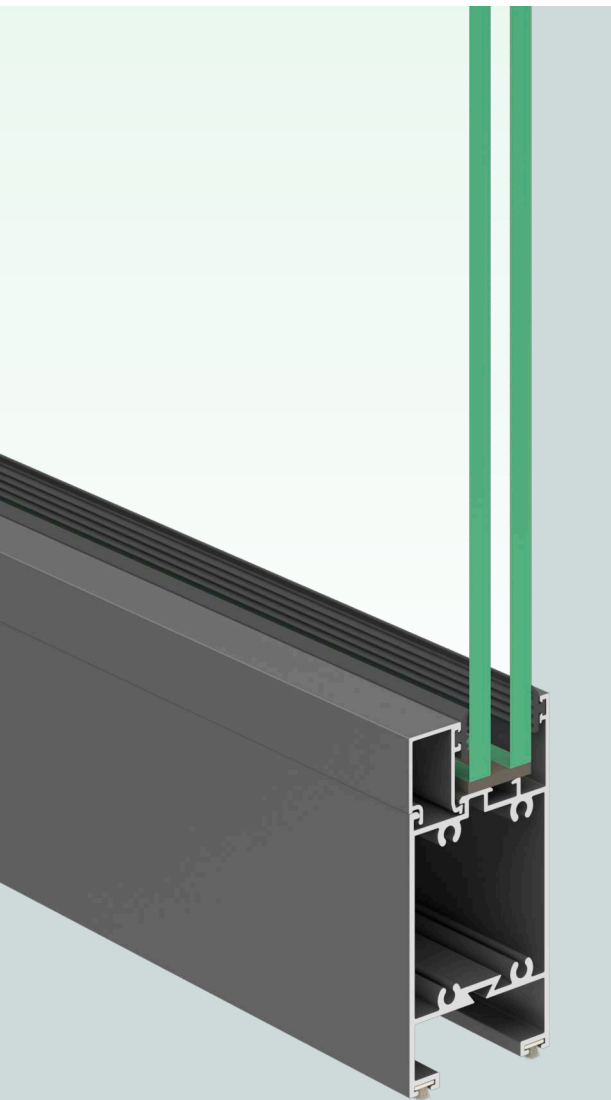
- Mass Housing Projects
- Budget Apartments
- Government / Affordable Housing Schemes
- Builder Grade Residential Developments

ALU Smart

CASEMENT
SYSTEMS







ALUCasement+

The **HALCO ALU Casement+ Door** is a robust aluminium casement door system engineered for high-performance entrances. With support for **heights up to 3000mm**, compatibility with **DGU and laminated glazing**, and outstanding resistance to wind, air, and temperature fluctuations, this system is built for both beauty and strength in demanding architectural settings.

TECHNICAL SPECIFICATION

■ Max Shutter Height	: 3000 mm
■ Max Shutter Width	: 1200 mm
■ Frame Depth/Bottom Depth	: 50mm /93 mm /100 mm
■ Glass/Panel Thickness	: 5mm - 26mm
■ Frame Joint	: 45°
■ Locking Style	: Multipoint Locking : Single Point Locking
■ Tilt and Turn	: -
■ Groove	: Euro Groove
■ 2 in 1 Aluminium Grill	: -
■ Ms Grill	: Compatible


AIR
PERMEABILITY

SOUND
INSULATION

WIND
RESISTANCE

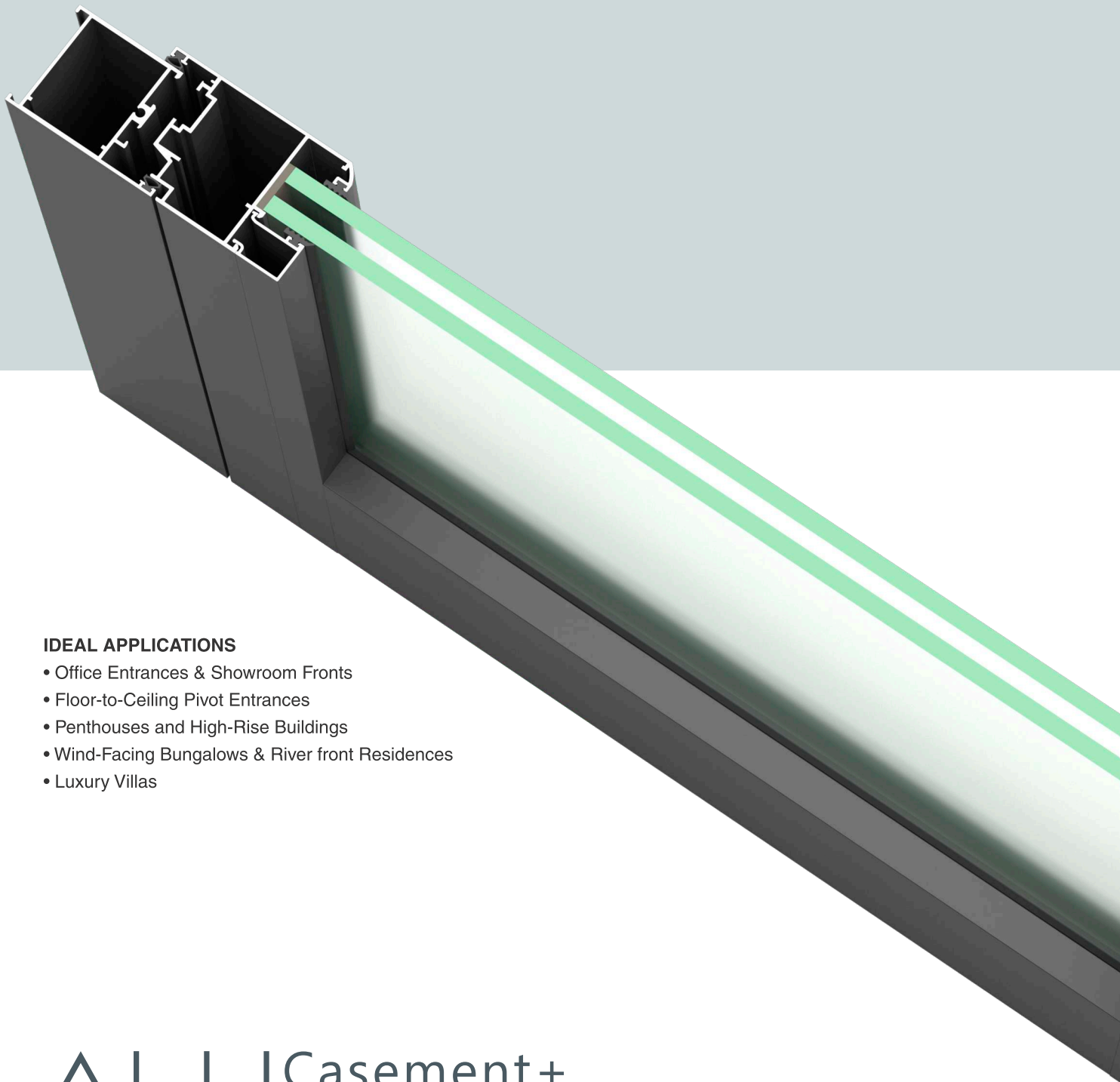
IMPACT
RESISTANCE

WATER
TIGHTNESS

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TIGHTNESS

KEY FEATURES

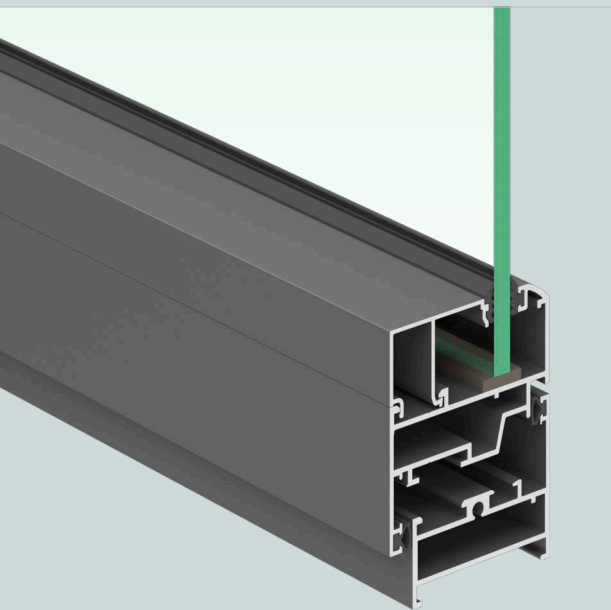
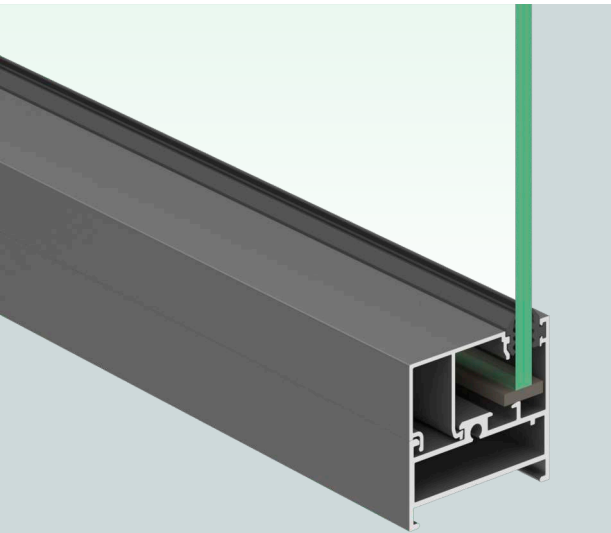
- **Heavy-Duty Casement Design** for large-scale door applications
- **Supports Heights up to 3000mm** for grand entrances
- **Compatible with DGU & Laminated Glazing** for superior acoustic and thermal insulation
- **Excellent Air-Tightness & Wind Load Resistance** for harsh environments
- **Thermal Break Capabilities** for energy efficiency
- **Mortice & Multi-Point Locking Systems** for enhanced security
- **Smooth, Durable Hinges** for long-term stability



IDEAL APPLICATIONS

- Office Entrances & Showroom Fronts
- Floor-to-Ceiling Pivot Entrances
- Penthouses and High-Rise Buildings
- Wind-Facing Bungalows & River front Residences
- Luxury Villas

ALU Casement+



ALUCasement+

The **HALCO ALU Casement+ Window** is a robust, high-performance casement window system engineered for luxury spaces demanding both scale and durability. With support for **heights up to 2400mm** and **shutter widths up to 900mm**, it provides the structural integrity and insulation required for modern architectural settings—without compromising elegance.

TECHNICAL SPECIFICATION

■ Max Shutter Height	: 2400 mm
■ Max Shutter Width	: 900 mm
■ Frame Depth/Bottom Depth	: 50mm / 79mm
■ Glass/Panel Thickness	: 5mm - 26mm
■ Frame Joint	: 45°
■ Locking Style	: Multipoint Locking
	: Single Point Locking
■ Tilt and Turn	: Compatible
■ Groove	: Euro Groove
■ 2 in 1 Aluminium Grill	: Compatible
■ Ms Grill	: Compatible


AIR
PERMEABILITY

SOUND
INSULATION

WIND
RESISTANCE

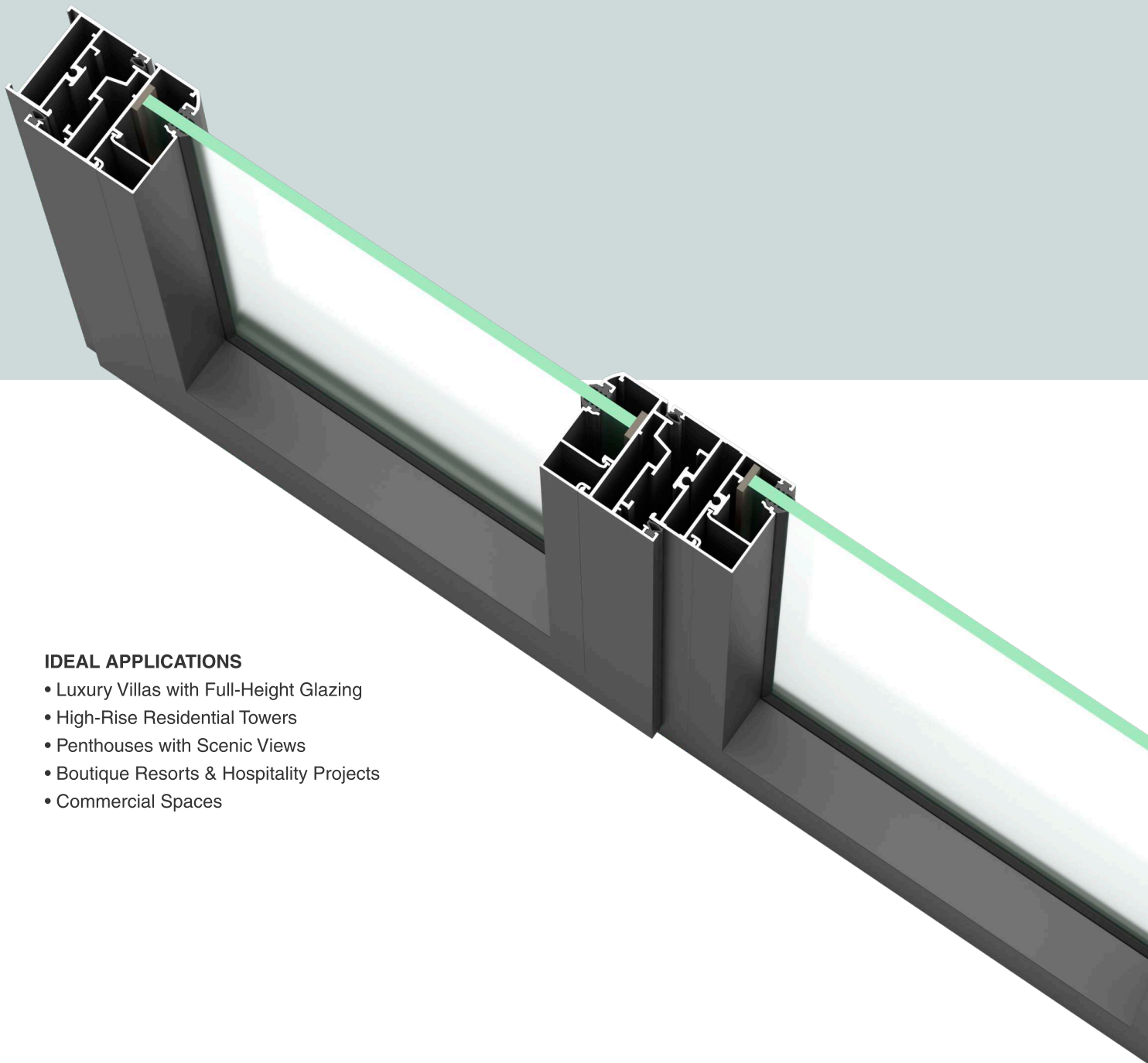
IMPACT
RESISTANCE

WATER
TIGHTNESS

AIR
TIGHTNESS

KEY FEATURES

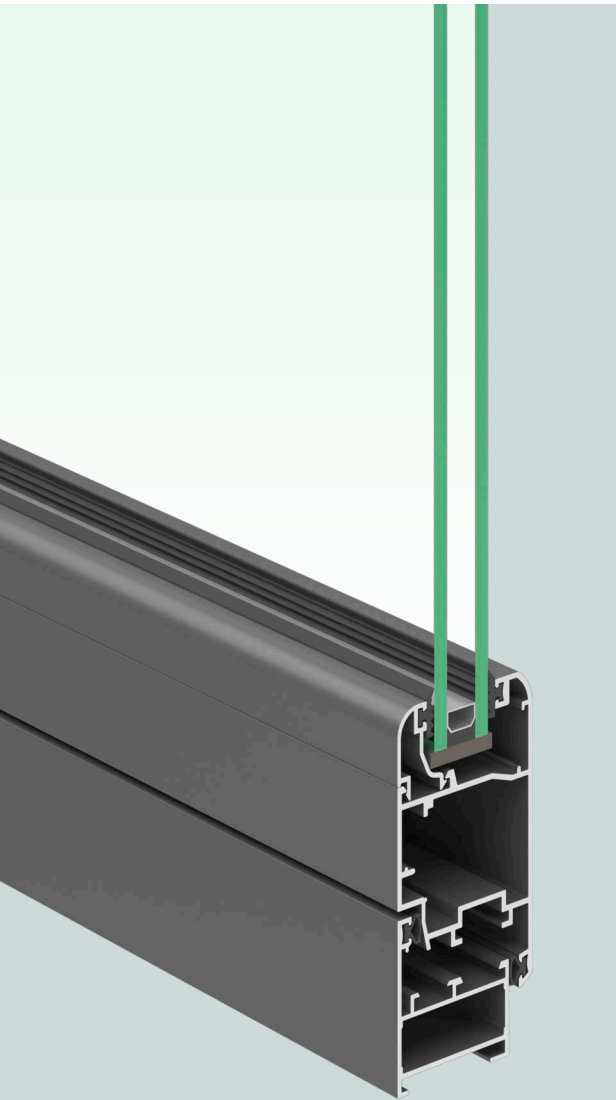
- **Heavy-Duty Construction** designed for full-height openings
- **Supports Heights up to 2400mm** and **Shutter Widths up to 900mm**
- **Compatible with DGU & Laminated Glazing** for superior sound and thermal performance
- **High Air-Tightness & Wind Load Resistance**
- **Excellent Thermal Insulation** for energy efficiency
- **Single & Multi-Point Locking Systems** for security and user flexibility



IDEAL APPLICATIONS

- Luxury Villas with Full-Height Glazing
- High-Rise Residential Towers
- Penthouses with Scenic Views
- Boutique Resorts & Hospitality Projects
- Commercial Spaces

ALU Casement+



ALUCasement

The **HALCO ALU Casement Door** is a sleek yet durable casement door system featuring a **smooth, curve-edged profile**. Blending elegance with structural strength, it supports door heights up to **2400mm** and shutter widths up to **900mm**, offering excellent performance for premium environments without compromising style.

TECHNICAL SPECIFICATION

■ Max Window Height	: 2400 mm
■ Max Shutter Width	: 900 mm
■ Frame Depth/Bottom Depth	: 41mm / 89mm / 100 mm
■ Glass/Panel Thickness	: 5mm - 22mm
■ Frame Joint	: 45°
■ Locking Style	: Multipoint Locking : Single Point Locking
■ Tilt and Turn	: -
■ Groove	: Euro Groove
■ 2 in 1 Aluminium Grill	: -
■ Ms Grill	: Compatible



AIR
PERMEABILITY



SOUND
INSULATION



WIND
RESISTANCE



IMPACT
RESISTANCE



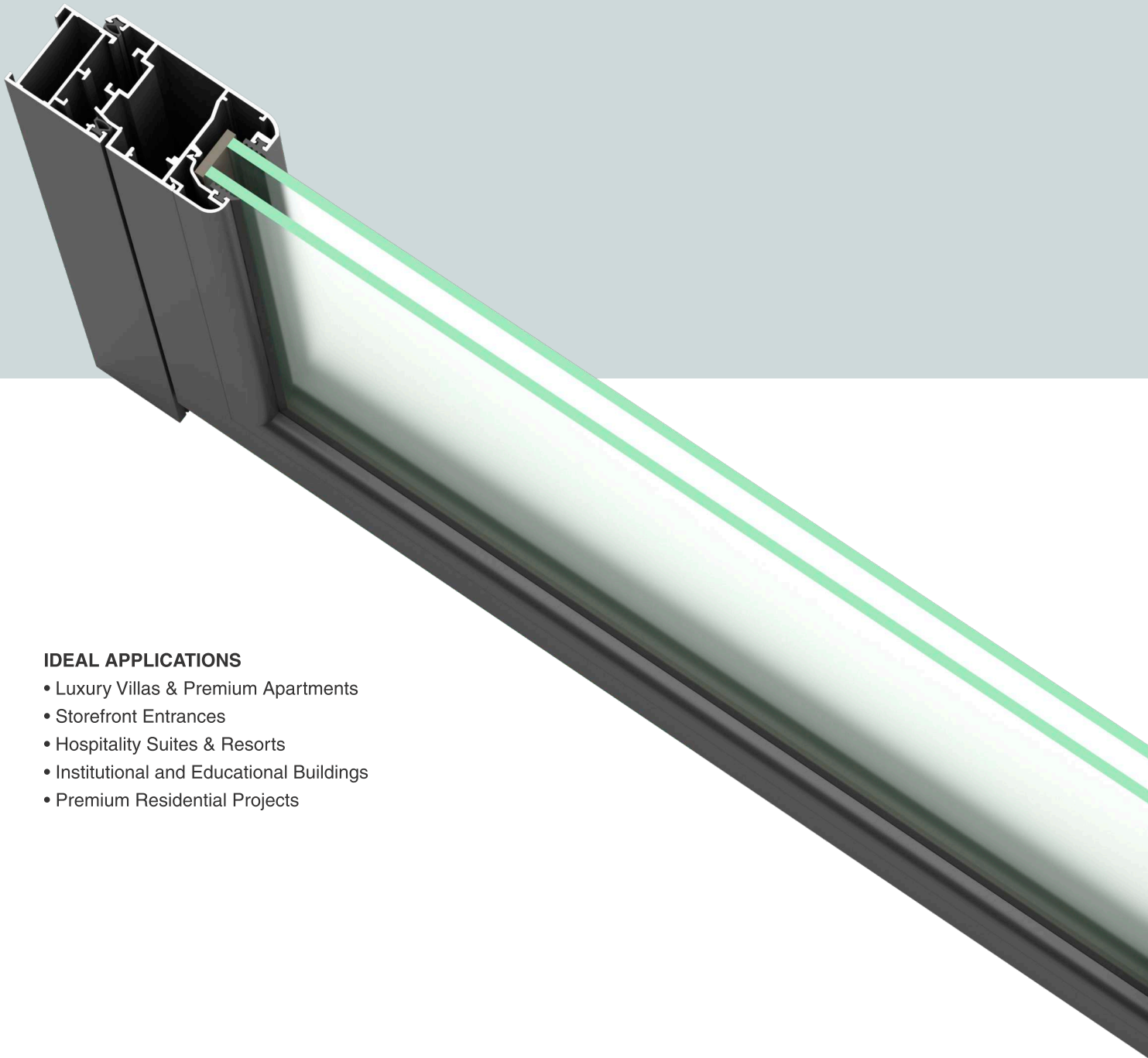
WATER
TIGHTNESS



AIR
TIGHTNESS

KEY FEATURES

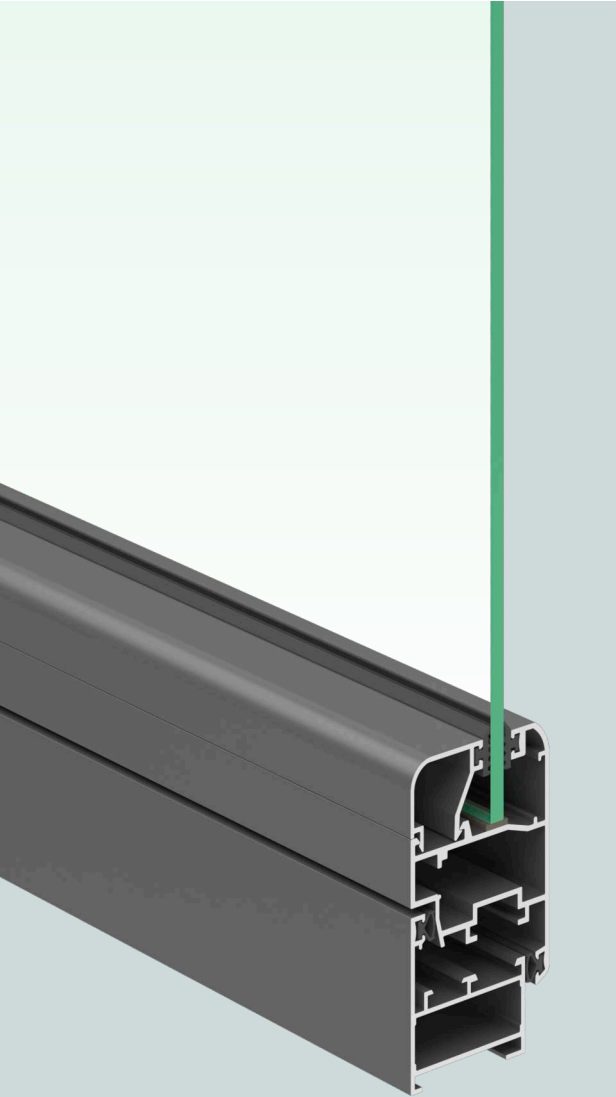
- **Curved-Edge Aluminium Profile** for a refined, premium look
- **Supports Heights up to 2400mm** and Shutter **Widths up to 900mm**
- **Compatible with DGU & Laminated Glass** for acoustic and thermal insulation
- **Excellent Air Tightness & Wind Load Resistance** for harsh climate zones
- **Thermal Insulation Capability** for energy-efficient construction
- **Mortice and Multi-Point Locking Options** for secure, smooth access
- **Ideal Balance of Aesthetic and Strength**



IDEAL APPLICATIONS

- **Luxury Villas & Premium Apartments**
- **Storefront Entrances**
- **Hospitality Suites & Resorts**
- **Institutional and Educational Buildings**
- **Premium Residential Projects**

ALUCasement



ALUCasement

The **HALCO ALU Casement Window** is a refined aluminium casement window system with a **smooth, curved-edge profile**, designed to bring elegance and functionality together. With support for **heights up to 1750mm** and shutter **widths up to 800mm**, it offers superior performance in air tightness, insulation, and wind resistance—making it ideal for upscale living and hospitality environments.

TECHNICAL SPECIFICATION

■ Max Shutter Height	: 1750 mm
■ Max Shutter Width	: 800 mm
■ Frame Depth/Bottom Depth	: 41 mm / 74 mm
■ Glass/Panel Thickness	: 5mm - 22mm
■ Frame Joint	: 45°
■ Locking Style	: Multi Point Locking : Single Point Locking
■ Tilt and Turn	: Compatible
■ Groove	: Euro Groove
■ 2 in 1 Aluminium Grill	: N/A
■ Ms Grill	: Compatible



AIR
PERMEABILITY



SOUND
INSULATION



WIND
RESISTANCE



IMPACT
RESISTANCE



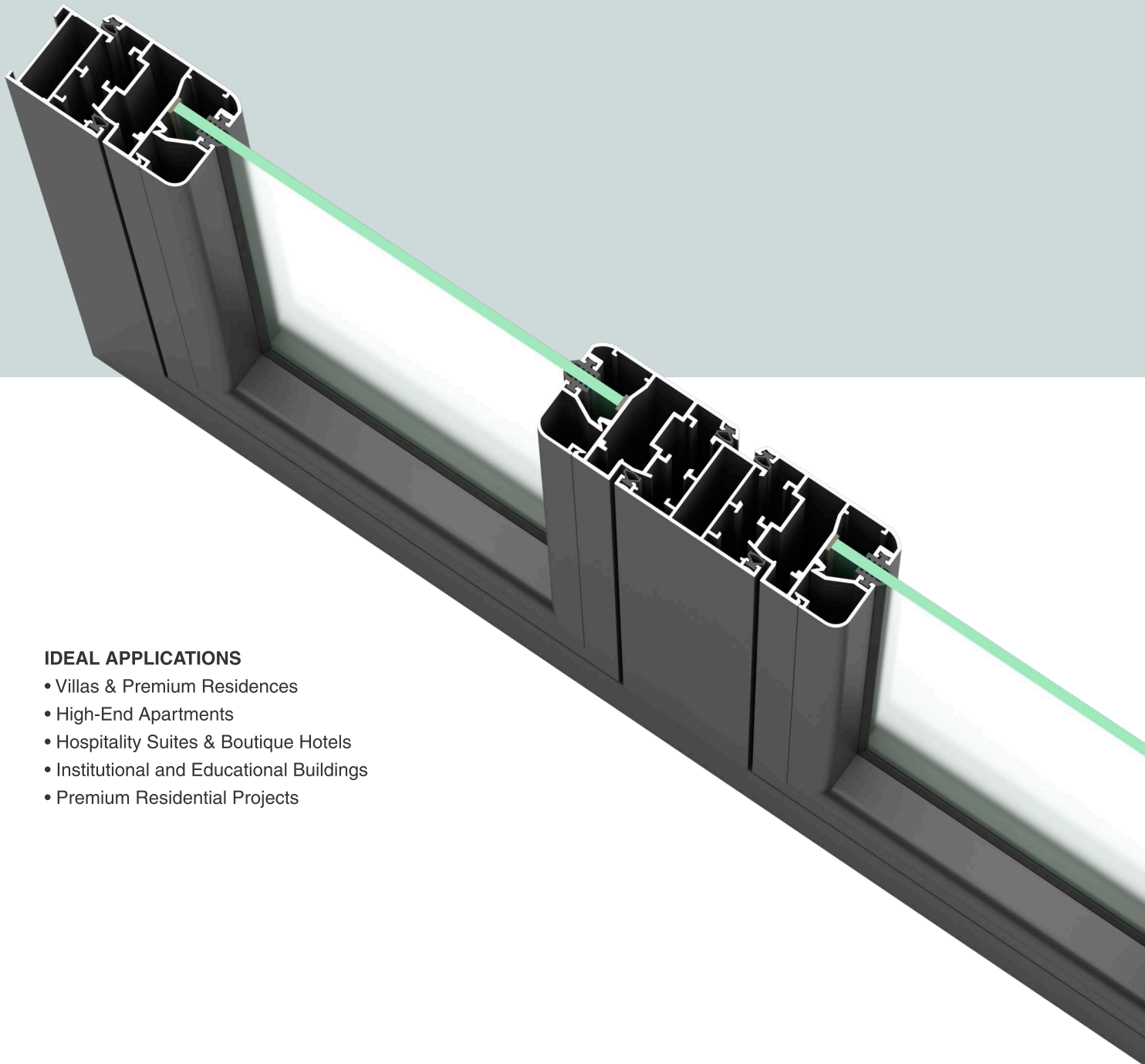
WATER
TIGHTNESS



AIR
TIGHTNESS

KEY FEATURES

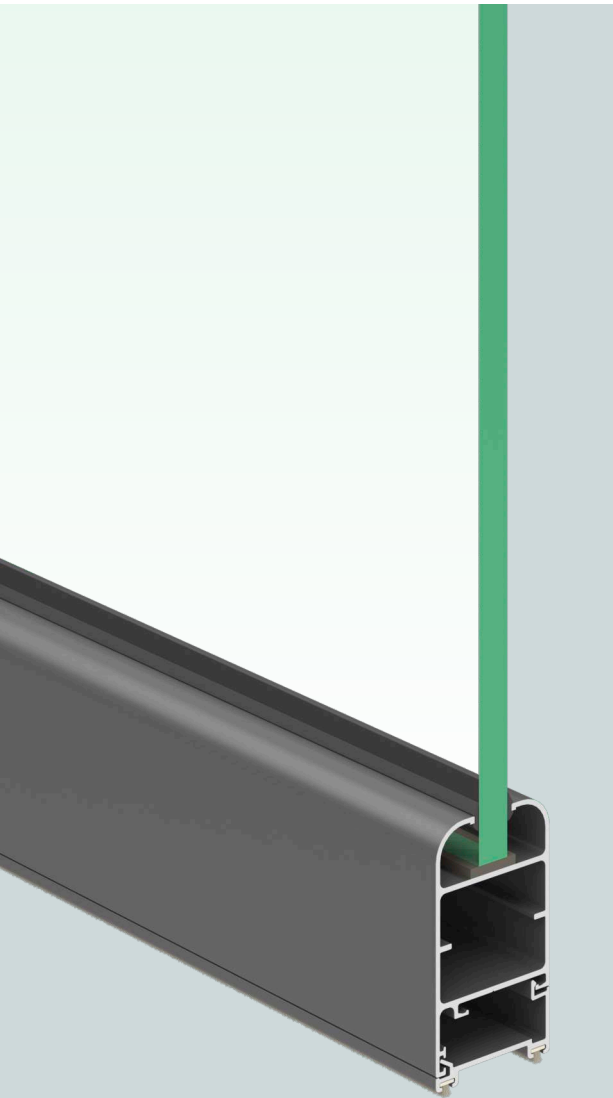
- **Sleek Curved-Edge Aluminium Profile** for a soft, modern finish
- **Supports Heights up to 1750mm** and **Shutter Widths up to 800mm**
- **Compatible with DGU & Laminated Glazing** for acoustic and thermal comfort
- **High Air-Tightness & Wind Load Resistance** for demanding climates
- **Excellent Thermal Insulation** for energy-conscious buildings
- **Single & Multi-Point Locking Options** for security and ease of use
- **Engineered for Elegance and Everyday Functionality**



IDEAL APPLICATIONS

- Villas & Premium Residences
- High-End Apartments
- Hospitality Suites & Boutique Hotels
- Institutional and Educational Buildings
- Premium Residential Projects

ALU Casement



ALU Casement Smart

The **HALCO ALU Casement Smart Door** is a durable and cost-efficient casement door system, designed to balance functionality, strength, and affordability. Supporting **heights up to 2200mm** and **shutter widths up to 900mm**, it's ideal for residential, commercial, and institutional spaces that require performance without excess.

TECHNICAL SPECIFICATION

■ Max Shutter Height	: 2200 mm
■ Max Shutter Width	: 900 mm
■ Frame Depth/Bottom Depth	: 40mm / 110 mm
■ Glass/Panel Thickness	: 5mm - 22mm
■ Frame Joint	: 45°
■ Locking Style	: Multipoint Locking
	: Single Point Locking
■ Tilt and Turn	: N/A
■ Groove	: Non Euro Groove
■ 2 in 1 Aluminium Grill	: Available
■ MS Grill	: Available



AIR
PERMEABILITY



SOUND
INSULATION



WIND
RESISTANCE



IMPACT
RESISTANCE



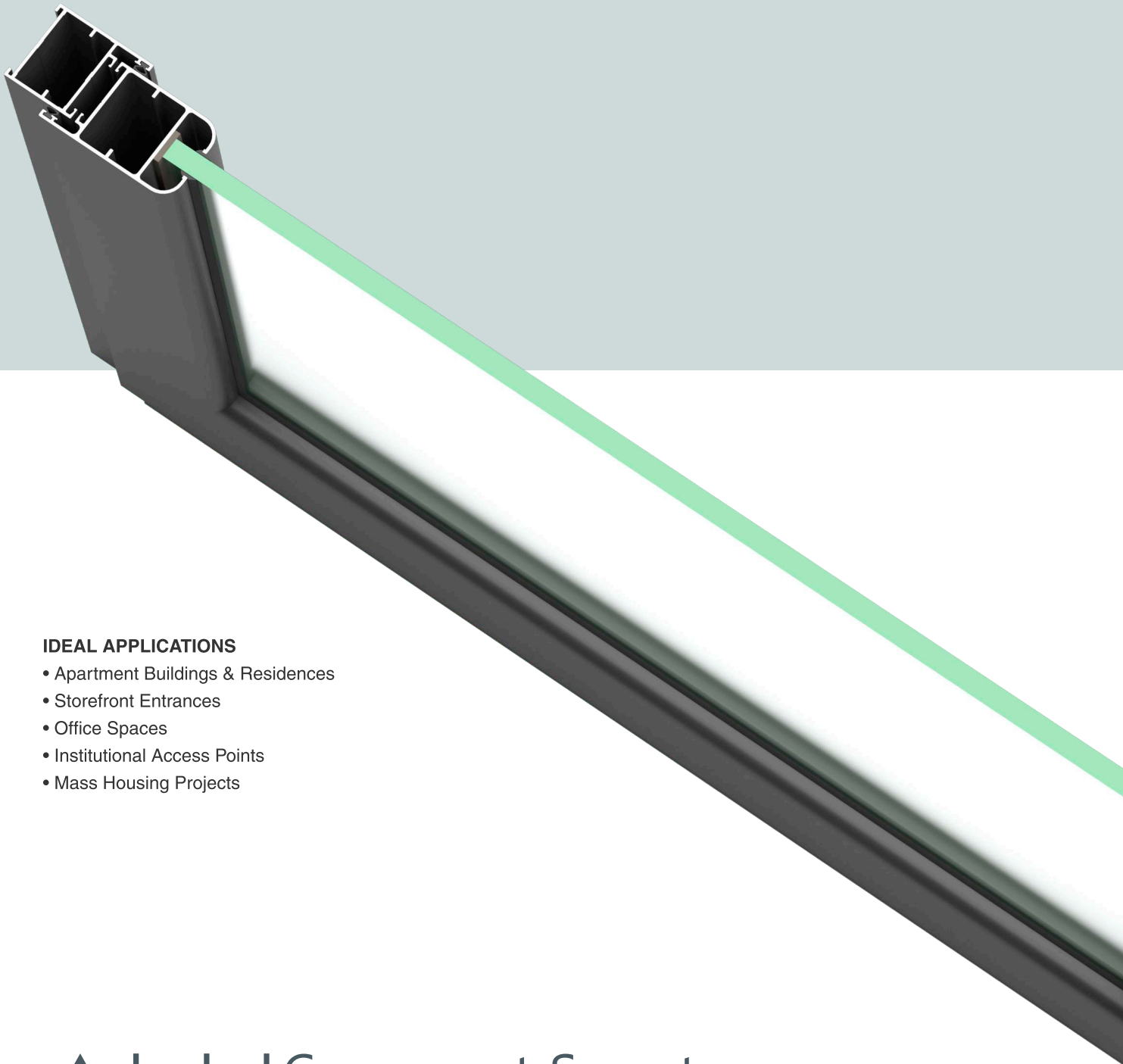
WATER
TIGHTNESS



AIR
TIGHTNESS

KEY FEATURES

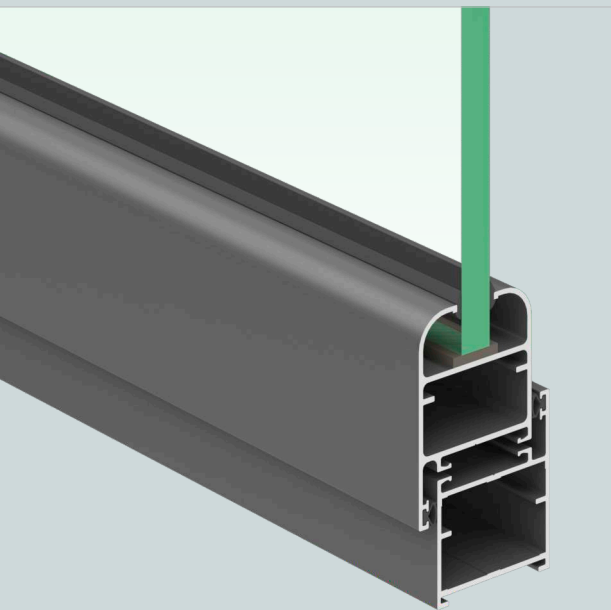
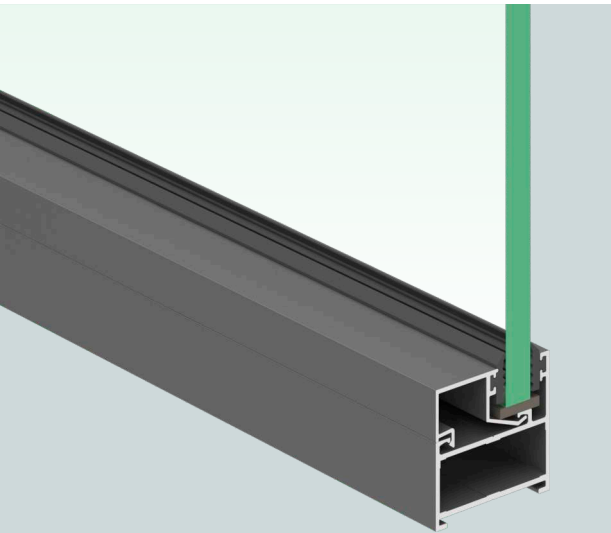
- **Economical & Functional Design** for wide usability
- **Supports Heights up to 2200mm and Shutter Widths up to 900mm**
- **DGU & Laminated Glass Compatible** for insulation and sound reduction
- **Excellent Air Tightness & Wind Load Resistance** for dependable performance
- **Thermal Insulation Capability** for comfort and energy savings
- **Mortice & Multi-Point Locking Options** for secure operation
- **Suitable for Everyday Residential and Commercial Use**



IDEAL APPLICATIONS

- Apartment Buildings & Residences
- Storefront Entrances
- Office Spaces
- Institutional Access Points
- Mass Housing Projects

ALU Casement Smart



ALU Casement Smart

The **HALCO ALU Casement Smart Window**, is a cost-effective casement window system built for long-term performance and everyday functionality. With support for **heights up to 1500mm** and **shutter widths up to 600mm**, it is ideally suited for residential buildings, ventilator spaces, and bathroom openings—delivering durability without compromising efficiency.

TECHNICAL SPECIFICATION

■ Max Shutter Height	: 1500 mm
■ Max Shutter Width	: 600 mm
■ Frame Depth/Bottom Depth	: 40 mm / 59mm
■ Glass/Panel Thickness	: 5mm -22mm
■ Frame Joint	: 45°
■ Locking Style	: Multi Point Locking
	: Single Point Locking
■ Tilt and Turn	: N/A
■ Groove	: Non Euro Groove
■ 2 in 1 Aluminium Grill	: Compatible
■ Ms Grill	: Compatible



AIR
PERMEABILITY



SOUND
INSULATION



WIND
RESISTANCE



IMPACT
RESISTANCE



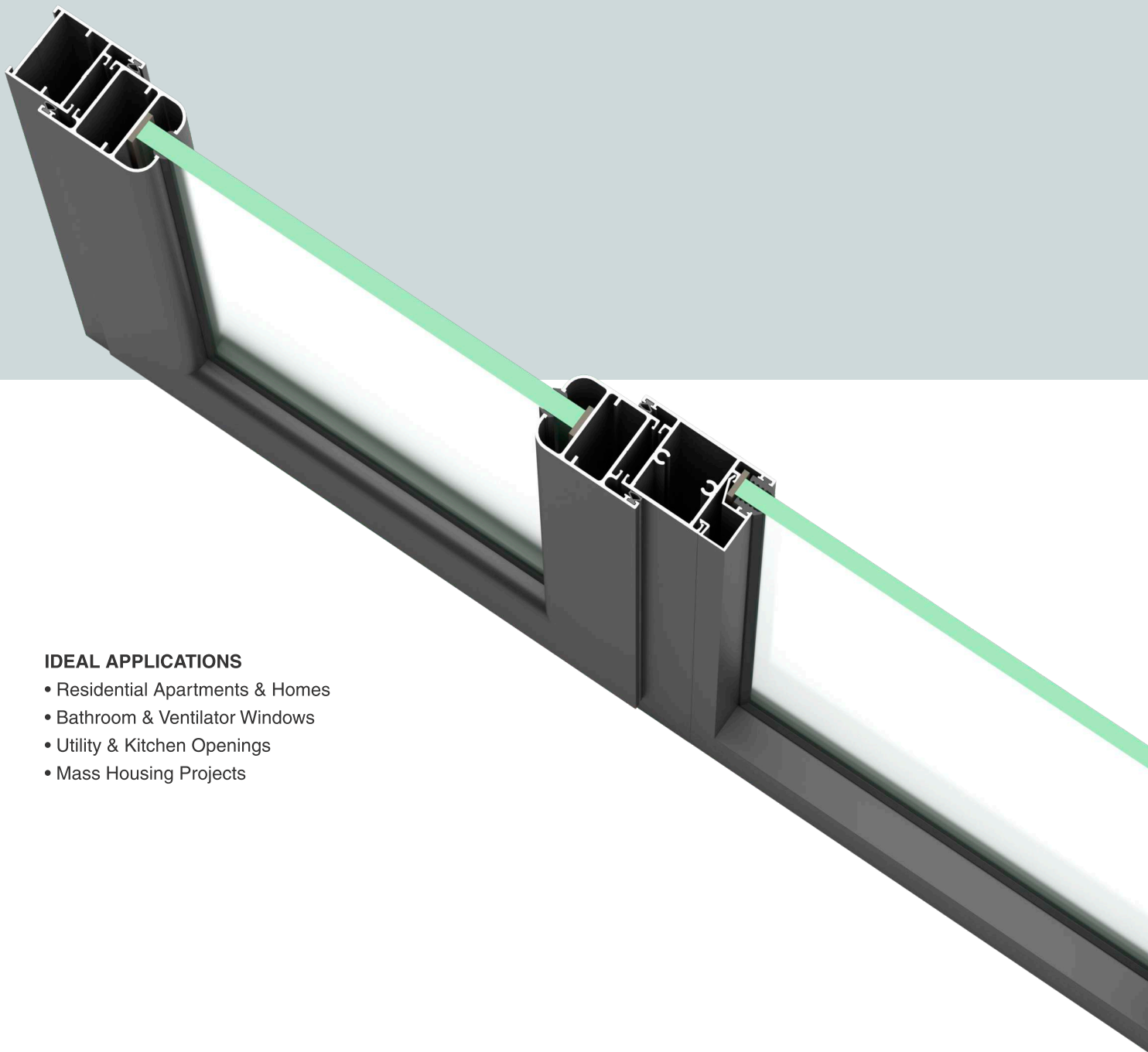
WATER
TIGHTNESS



AIR
TIGHTNESS

KEY FEATURES

- **Economical & Reliable Design** for standard residential use
- **Supports Heights up to 1500mm** and **Shutter Widths up to 600mm**
- **Compatible with DGU & Laminated Glass** for thermal and sound insulation
- **Excellent Air Tightness & Wind Load Resistance**
- **High Thermal Insulation** for comfort and energy savings
- **Single & Multi-Point Locking Options** for everyday security
- **Versatile Use** for bedrooms, bathrooms, kitchens, and utility spaces



IDEAL APPLICATIONS

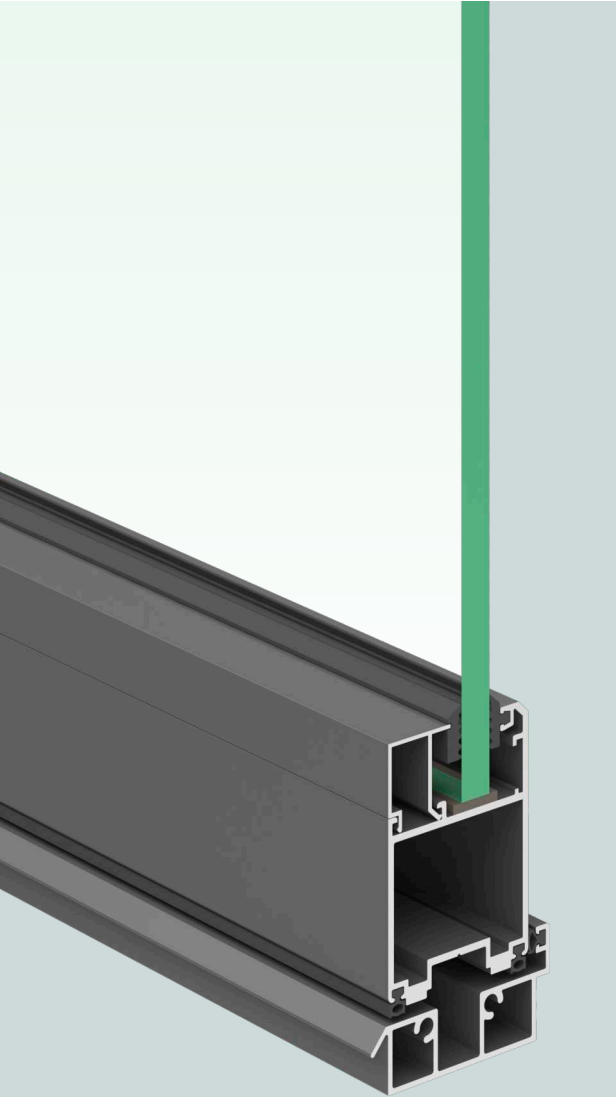
- Residential Apartments & Homes
- Bathroom & Ventilator Windows
- Utility & Kitchen Openings
- Mass Housing Projects

ALU Casement Smart

EXTERIOR
BI-FOLDING
SYSTEMS





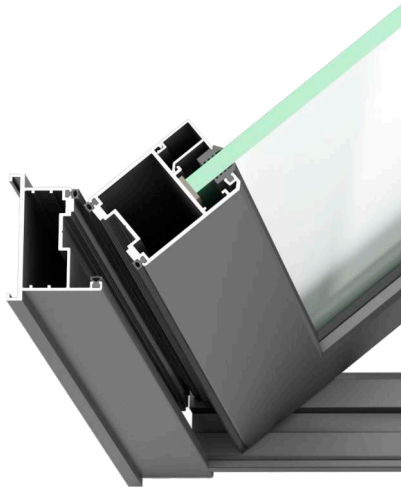


ALU Bi-Fold+

The **HALCO ALU Bi-Fold +** is a heavy-duty aluminium bi-folding door system designed to create expansive openings for terraces, balconies, and internal spaces. With support for **heights up to 3000mm** and up to **90% clear opening**, it offers unmatched openness and fluidity between indoors and outdoors—ideal for modern homes and hospitality environments.

TECHNICAL SPECIFICATION

■ Max Shutter Height	: 3000mm
■ Max Shutter Width	: 900mm
■ Glass Range	: 5mm to 24mm
■ Lock	: Mortice Lock and Multipoint Lock



AIR
PERMEABILITY



SOUND
INSULATION



WIND
RESISTANCE



IMPACT
RESISTANCE



WATER
TIGHTNESS



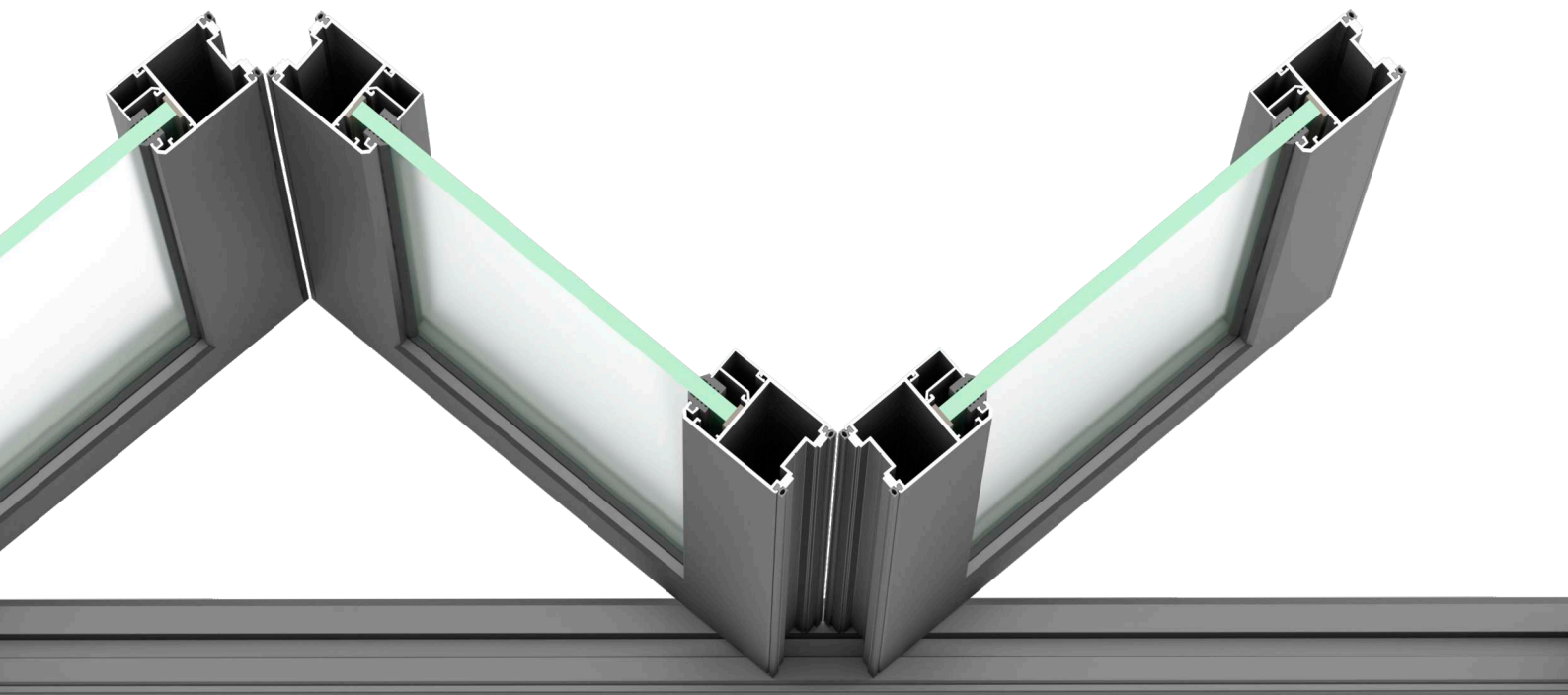
AIR
TIGHTNESS

KEY FEATURES

- Wide 90% Opening Area for unobstructed access and ventilation
- Supports Heights up to 3000mm for full-height architectural integration
- Robust Aluminium Profiles for strength and long-term durability
- Sleek and Minimal Design to complement modern exteriors
- Smooth Folding Mechanism with precision-engineered hardware
- Ideal for Indoor-Outdoor Living and large-span openings
- Customizable Panel Configurations for design flexibility

IDEAL APPLICATIONS

- Terraces and Balconies
- Internal Dividers Between Living Spaces
- Villas and Premium Residences
- Luxury Apartments and Penthouses
- Boutique Hospitality and Café Spaces



ALU Bi-Fold+

ALUMINIUM
RAILING
SYSTEMS







ALU Railing+

The **HALCO ALU Railing Systems** are designed to provide long-lasting performance with minimal maintenance. Ideal for balconies, internal staircases, and outdoor decks, they offer a perfect blend of safety, style, and durability.

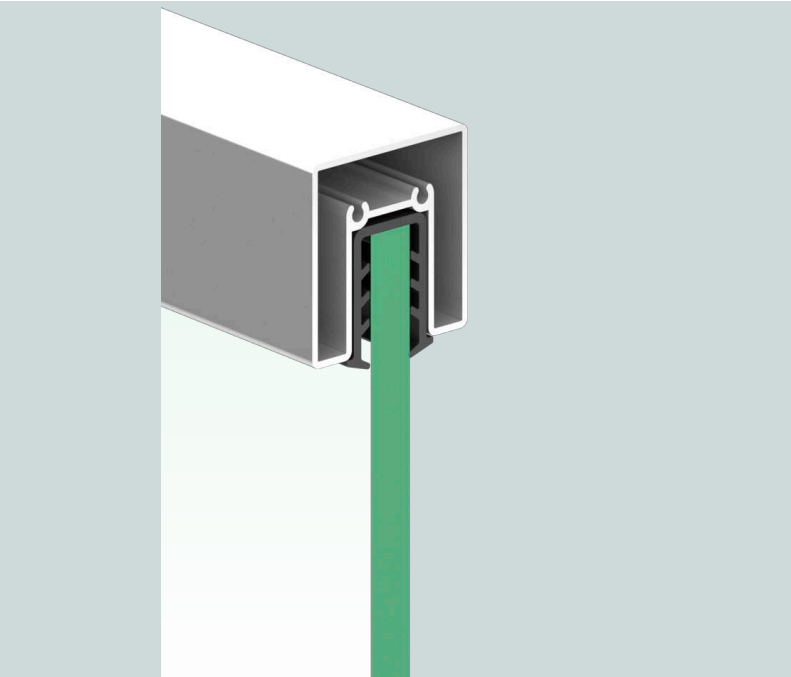
Unlike traditional steel or wood railings, these systems feature premium powder-coated and wood grain finishes that deliver a luxurious appearance without the drawbacks of corrosion, warping, or regular upkeep.

TECHNICAL SPECIFICATION

■ Bottom Rail Size	:	120*45
■ Length Max	:	Infinity
■ Height Max	:	1220mm
■ Glass Options	:	10mm & 12mm

KEY FEATURES

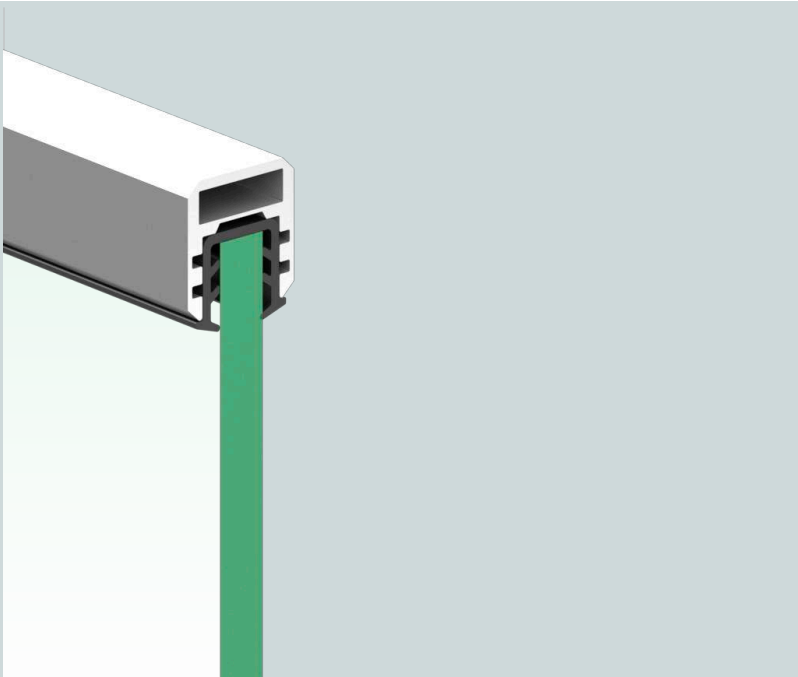
- **Low Maintenance** : Corrosion-resistant and easy to clean
- **Elegant Finishes** : Powder-coated & wood grain textures available
- **Laminated Glass Compatible** : For added safety and protection
- **Customizable Profiles** : Adaptable to multiple architectural styles for staircase, decks and balconies
- **Weather & Moisture Resistant** : Ideal for humid and coastal climates
- **Child-safe & Rattle-free Design**



Hand Rail 40

TECHNICAL SPECIFICATION

■ Handle Size : 40*40mm



Hand Rail 25

TECHNICAL SPECIFICATION

■ Handle Size : 25*25mm





ALU Railing

The **HALCO ALU Railing Systems** are designed to provide long-lasting performance with minimal maintenance. Ideal for balconies, internal staircases, and outdoor decks, they offer a perfect blend of safety, style, and durability.

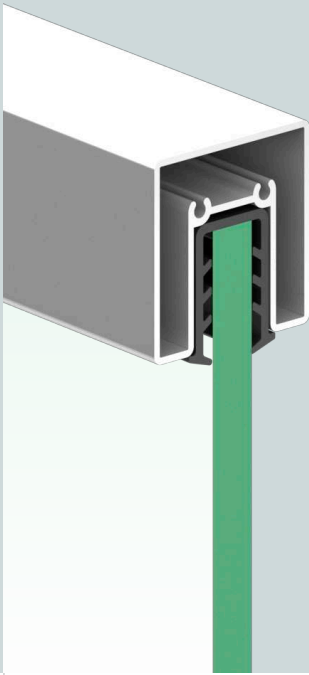
Unlike traditional steel or wood railings, these systems feature premium powder-coated and wood grain finishes that deliver a luxurious appearance without the drawbacks of corrosion, warping, or regular upkeep.

TECHNICAL SPECIFICATION

■ Bottom Rail Size	:	80*40
■ Length Max	:	5000mm
■ Height Max	:	1100mm
■ Glass Options	:	10mm & 12mm

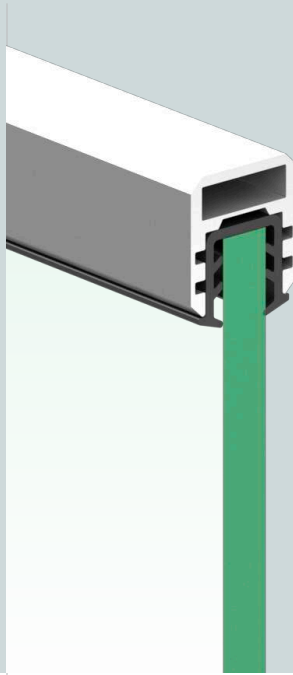
KEY FEATURES

- **Low Maintenance** : Corrosion-resistant and easy to clean
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Hand Rail 40
TECHNICAL SPECIFICATION

■ Handle Size : 40*40mm



Hand Rail 25
TECHNICAL SPECIFICATION

■ Handle Size : 25*25mm



SEMI-UNITIZED
GLAZING
SYSTEMS





The **HALCO Semi-Unitized Glazing Systems** are engineered for modern architectural façades requiring a balance of **performance, aesthetics, and efficiency**. Designed to accommodate **both single and double glazed units (SGU & DGU)**, these systems offer structural integrity with **minimal visible aluminium** and optimal thermal and acoustic performance.

Ideal for **commercial buildings, high-rises, hotels, malls, and institutional projects**, these systems combine the speed of unitized installation with the flexibility of stick systems, making them a **cost-effective and scalable solution** for complex façades.

TECHNICAL SPECIFICATION

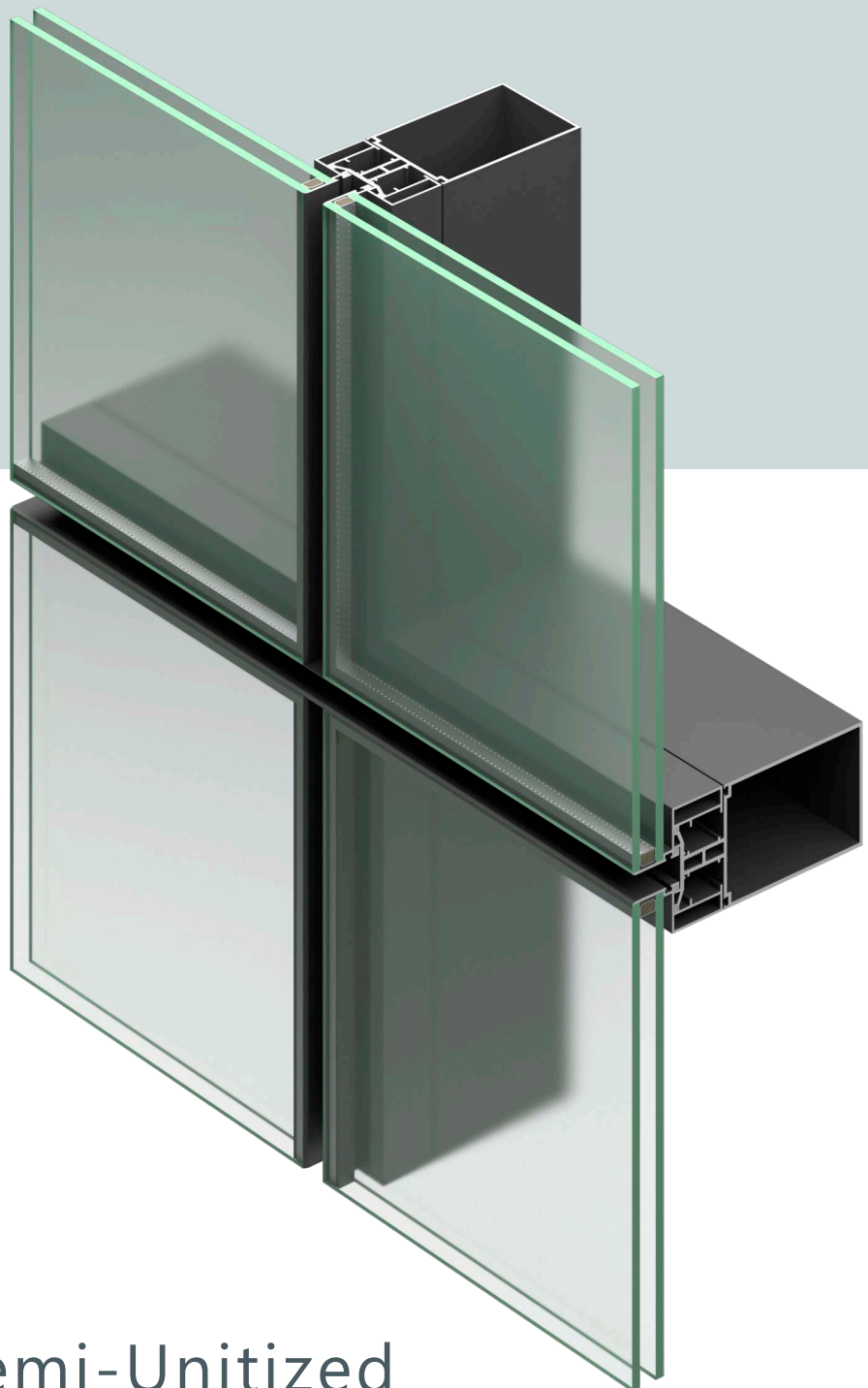
■ B. Transom / Mullion	:	131mm / 67mm
■ S. Transom / Mullion	:	81mm / 67mm
■ C.B. Transom / Mullion	:	131mm / 39mm
■ C.S. Transom / Mullion	:	81mm / 39mm
■ Glass Range	:	5mm to 32mm
■ Water Tightness – Static ; Dynamic	:	R7 ; 200Pa / 600Pa
■ Resistance to Windload, Design Load ; Safety Load	:	±1.6KN/m2 ; ±2.4KN/m2
■ Impact Resistance	:	I5 / E5
■ Aluminium	:	EN AW 6060 : T6
■ Ultimate Tensile Strength	:	Rm = 195 N/mm2
■ Yield Strength	:	Rp0.2= 150N/mm2
■ Modulus of Elasticity	:	Eal=70KN/mm2
■ Coefficient of Thermal Expansion	:	=23.4*10-6/°K

IDEAL APPLICATIONS

- Commercial & Corporate Buildings
- Airports, Hospitals, Educational Institutions
- High-Rise Towers & Luxury Residences
- Hotels, Shopping Malls, Mixed-Use Developments
- Atriums, Skywalks, and Facade Features

KEY FEATURES

- **Compatible with SGU & DGU** (up to 32mm thickness)
- **Sleek sightlines** with structural or pressure-glazed options
- **High Wind Load Resistance** (engineered per project)
- **Excellent Air & Water Tightness**
- **Optimized for Fast Installation** with factory-assembled panels
- **Thermal Break Options** for energy-efficient façades
- **Custom Profiles** for seamless design integration



ALU Semi-Unitized

ALUMINIUM
LOUVER & BAFFLE
SYSTEMS





The **HALCO Aluminium Louver Systems** and **Baffle Ceiling Systems** offer the perfect synergy of **design, functionality, and durability** for both **interior and exterior** applications. Available in **vertical and horizontal configurations**, these systems provide **sun shading, privacy, and façade articulation** without compromising on aesthetics.

Crafted from high-grade aluminium, they are available in a wide range of **powder-coated and wood grain finishes**, delivering the natural warmth of wood and the performance of aluminium—making them ideal for **facades, balconies, courtyards, ceilings, and bespoke feature elements**.

KEY FEATURES

- **Elegant Design** with sleek slim profiles
- **Custom Finishes** : Powder coated / Wood grain / Anodized
- **Durable & Weather-Resistant** : No warping, cracking, or rusting
- **Excellent Sun Control & Ventilation**
- **Ideal for Privacy Screening & Visual Partitioning**
- **Low Maintenance** & Long Lifespan
- **Lightweight and Easy to Install**

IDEAL APPLICATIONS

- Façade Design & Cladding Accents
- Commercial & Residential Privacy Screens
- Shading Elements for Windows & Courtyards
- Interior Partitions & Decorative Walls
- Airport, Mall & Office Ceilings
- Atriums, Walkways & Lounges



Rectangular Louver



Elliptical Louver



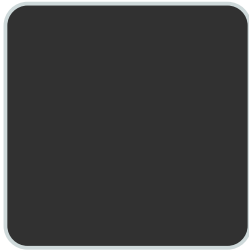
Z Louver

ALU Louver & Baffle

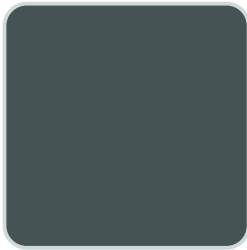
Shades & Finishes

Elevate your Exterior aesthetics with our finishing palette features durable Powder Coating, Premium Anodizing for Corrosion-Proof metallic sophistication, and sublimation Wood Coating offering timber aesthetics without the maintenance.

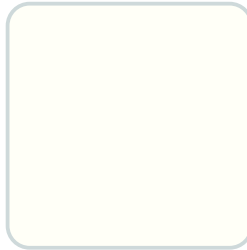
Powder Coating



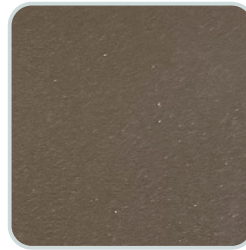
Matt Black



Satin Grey



Satin White



Metallic Grey



Texture Grey



Metallic Black



Champagne

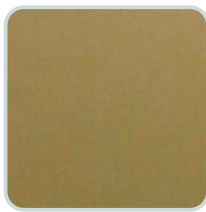
Anodized Shades



Natural Anodised
NA



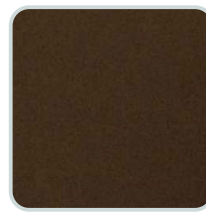
Light Champagne
HAL AC 01



Champagne
HAL AC 02



Light Bronze
HAL AC 03



Dark Bronze
HAL AC 04



Black
HAL AC 05

Wood Coating Finish

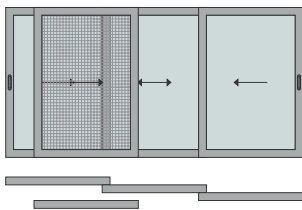


Walnut

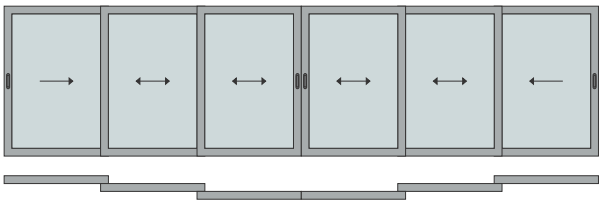


Teak Wood

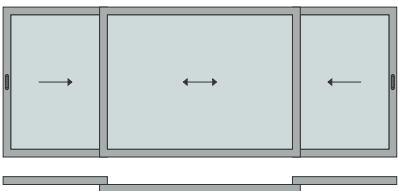
4 TRACK - 3 SHUTTER + 1 MESH SHUTTER



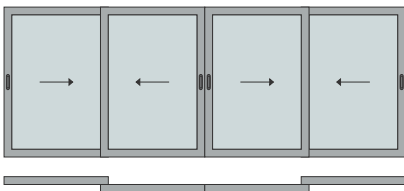
3 TRACK - 6 SHUTTER



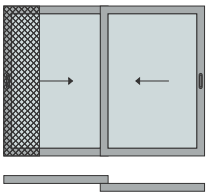
2 TRACK - 3 SHUTTER (X-2X-X)



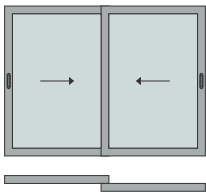
2 TRACK - 4 SHUTTER



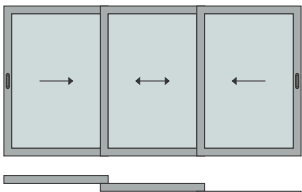
2TRACK - 2 SHUTTER + 1 MESH
(ADD ON TRACK)



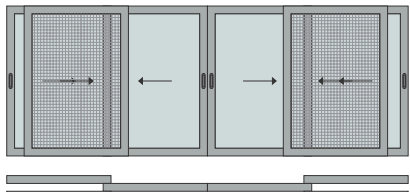
2 TRACK - 2 SHUTTER



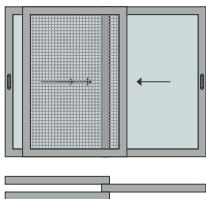
3 TRACK - 3 SHUTTER



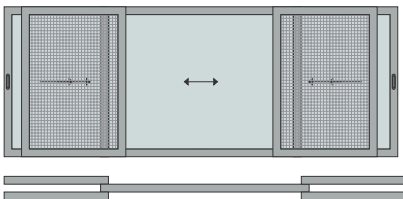
3 TRACK - 4 SHUTTER + 2 MESH SHUTTER



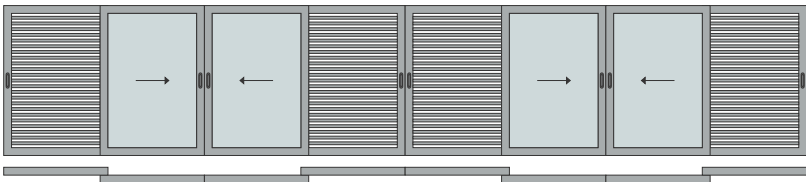
3 TRACK - 2 SHUTTER + 1 MESH SHUTTER



3 TRACK - 3 SHUTTER + 2 MESH SHUTTER



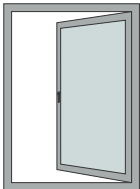
SLIDING + ALUMINIUM LOUVERS



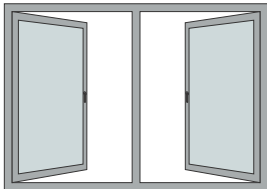
LOUVERS + FIX + LOUVERS



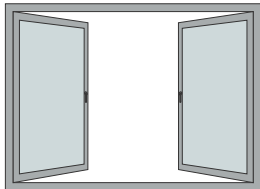
SINGLE OPENABLE



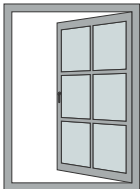
DOUBLE OPENABLE + MULLION



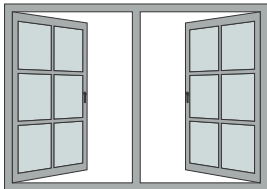
DOUBLE OPENABLE



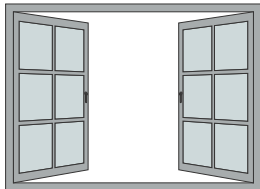
FRENCH SINGLE OPENABLE



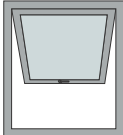
FRENCH DOUBLE OPENABLE + MULLION



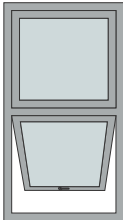
FRENCH DOUBLE OPENABLE



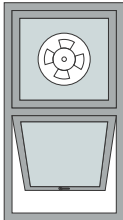
TOP HUNG



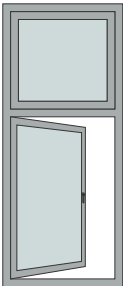
FIX+TOP HUNG



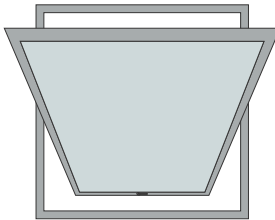
FAN+TOP HUNG



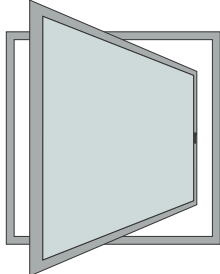
FIX+OPENABLE



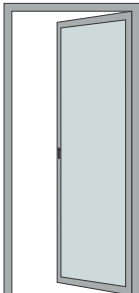
PIVOT VERTICAL



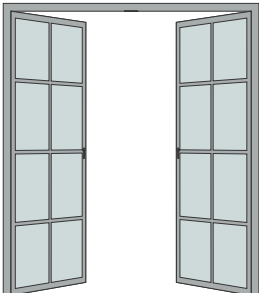
PIVOT HORIZONTAL



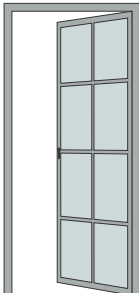
SINGLE DOOR



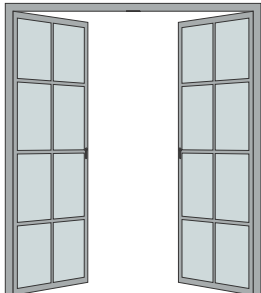
DOUBLE DOOR



FRENCH SINGLE DOOR

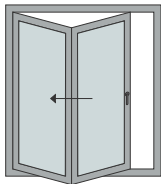


FRENCH DOUBLE DOOR

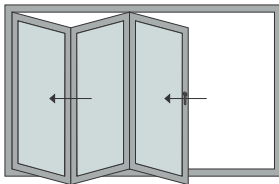


Bi-Folding Typology

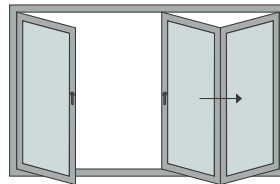
2 SHUTTER



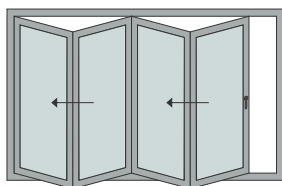
3 SHUTTER



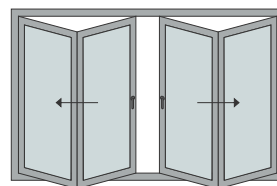
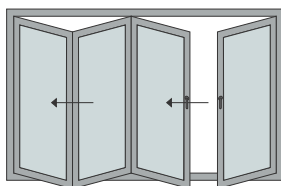
1 SHUTTER + 2 SHUTTER



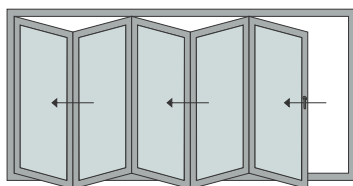
4 SHUTTER



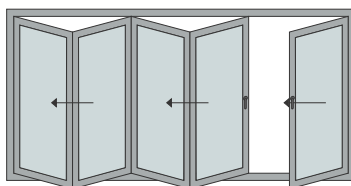
3 SHUTTER + 1 SHUTTER



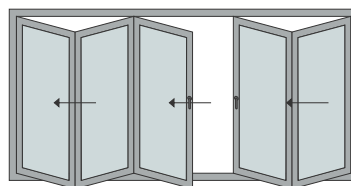
5 SHUTTER



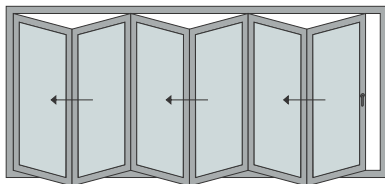
4 SHUTTER + 1 SHUTTER



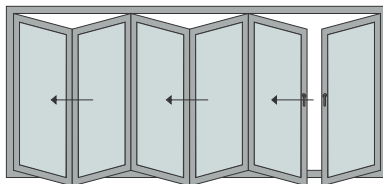
3 SHUTTER + 2 SHUTTER



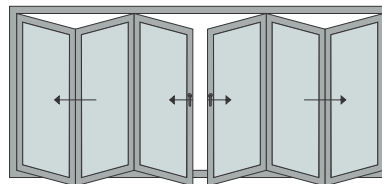
6 SHUTTER



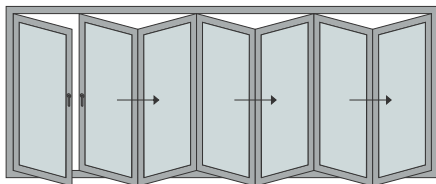
5 SHUTTER + 1 SHUTTER



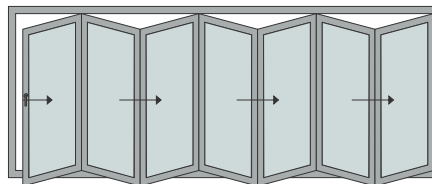
3 SHUTTER + 3 SHUTTER



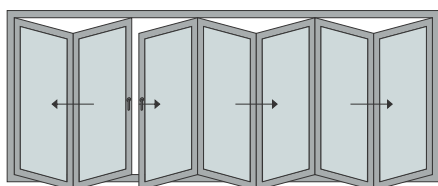
1 SHUTTER + 6 SHUTTER



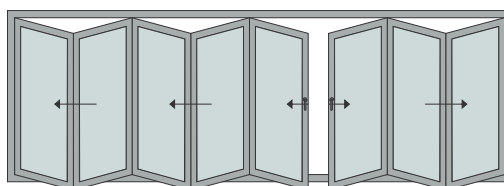
7 SHUTTER



2 SHUTTER + 5 SHUTTER



5 SHUTTER + 3 SHUTTER



Notes

ALUSYSTM
BY HALCO
PREMIUM ALUMINIUM SYSTEMS

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