

The logo for ALUMINCO features a stylized graphic of overlapping geometric shapes in grey and red above the brand name. The brand name "ALUMINCO" is written in a bold, black, sans-serif font with a registered trademark symbol (®) to the upper right.

ALUMINCO®



SL2700

LIFT & SLIDE THERMAL
INSULATING SYSTEM
FOR HIGH-END
STRUCTURES

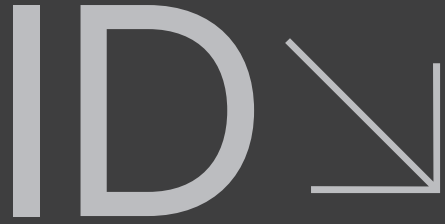
WE ARE
A PART OF
TOMORROW!



THE LIFT-AND-SLIDE SL2700
REPRESENTS THE NEW GENERATION
OF HIGH-END SYSTEMS.

Now, in the ALUMINCO portfolio, there is even more design,
even more heavy-duty performance, even more possibilities
for virtually any location in the world.

DISCOVER THE NEW ALUMINCO SL2700!
THE BEGINNING OF A GREAT PASSION!



The SKYLINE SL2700 is one of the greatest lift-and-slide systems in the world, an awe-inspiring feat for contemporary architecture! Attractive and effective slim-frame-lines, excellent thermal insulation values and high-quality components create an exceptionally uplifting atmosphere.

The architectural aesthetics are depicted on the narrow interlocking face width which allows greater visibility and flow of light, while the flush-fitted threshold offers high comfort and ease of access. For the most architecturally challenging projects, the system offers all-glass corners as well as 90° open corners requiring no structural post. Applying the most accurate performance testing for air, water, wind, sound insulation, structural and forced entry, this next generation system is capable to meet the most extreme performance requirements, making it suitable for virtually any location in the world.

Great Wide

- Ultimate high-end look grants freedom
- Wide span structures are perfectly fulfilled
- Exceptional performance for virtually all environments
- All-glass corners as well as 90° open corners are possible
- A complete range of tracks
- Impressively smooth sliding and easy to handle
- Minimal design for modern architecture
- Impressive transparency and maximum light penetration
- More flexibility in locking
- The Hotel Solution meet the higher standards of hoteliers



Wide open living spaces

The architectural aesthetics are depicted on the narrow interlocking face of 43 mm width which permits greater visibility and flow of light, while the low-level threshold of only 25 mm offers high comfort and ease of access. From new construction to remodeling projects, the demand for multi configurations and large units with maximum light penetration is what the SL2700 Great Wide has been engineered for.

- Sash units of up to 3x3 meters
- Minimal frame with narrow interlock is even possible at a meeting style connection
- High quality fitting components for open and close with ease
- Highly secure multipoint lock with anti-lifter



Corners for borderless views

Whether you choose an open corner solution or an all-glass corner, a particularly bright and welcoming ambience in the interior is ensured. The SL2700 corner typology without any post, not only do the frame and glass elements open up the living areas visually, but also bring the natural elements into the built environment. Essentially, open corners give designers the tools to help create beautiful, restorative environments that connect us with nature. And this is not an aesthetic extravagance, but an imperative strategy to improve our well-being.

- Revel in more style and modernity
- Maximum transparency and light penetration
- Create a greater sense of space



Maximum performance for virtually all environments

Applying the most accurate performance testing for air, water, wind, sound insulation, structural and forced entry, the Skyline SL2700 is capable to meet the most extreme performance requirements, making it suitable for virtually any location in the world.

- High rating in thermal insulation index
- Excellent water tightness performance is achieved
- With an overall sash depth of 70 mm, exceptional protection from exterior elements is provided while a comfortable and quiet indoor experience is delivered
- Benefit from high wind load and air-and-water infiltration performance, suitable for high-rise applications



Easy-access connection from inside to outside

A complete range of tracks fulfil different requirements in advance of the design, the level of comfort and the performance degree. Single, double, triple, high performance, low bottom, flat, viewless are options that almost cover every possible configuration in the real construction. All tracks are thermally insulated for optimum energy efficiency and give the option to be installed flush at interior floor where a drainage system is required. The "viewless" track (VT), is totally concealed into the floor and covered with the floor finish, connecting the inside to outside with outstanding user comfort. Top-class water tightness is achieved thanks to the effectiveness of the concealed water drainage system.



TC

Flush Lock

The locking is almost flush fitted in the outer frame, which means that technical details are not visible. This option can meet higher wind loads.

Accessibility Ensured

System's threshold solutions give us the opportunity to meet the requirements for easy accessibility in almost all circumstances.

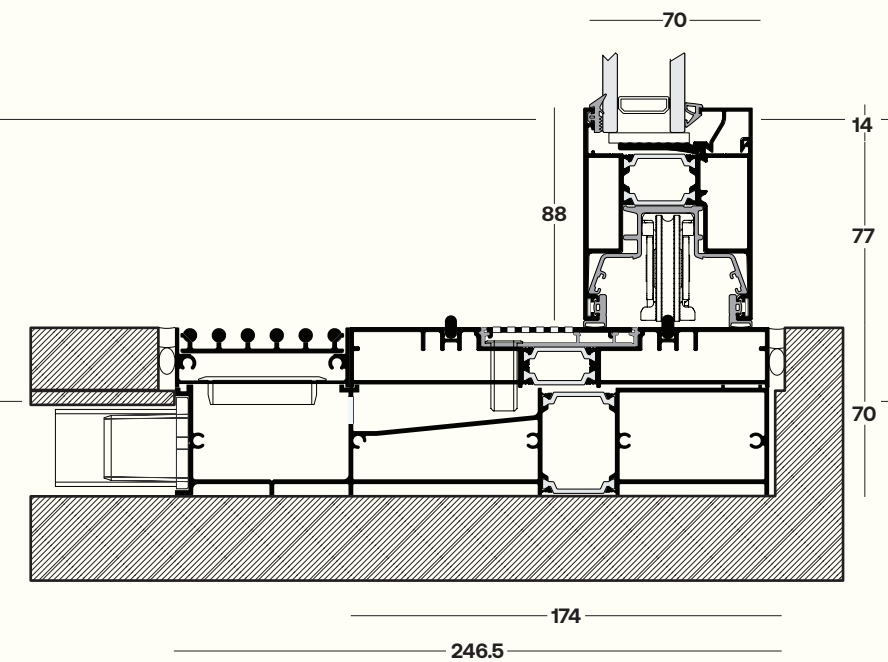
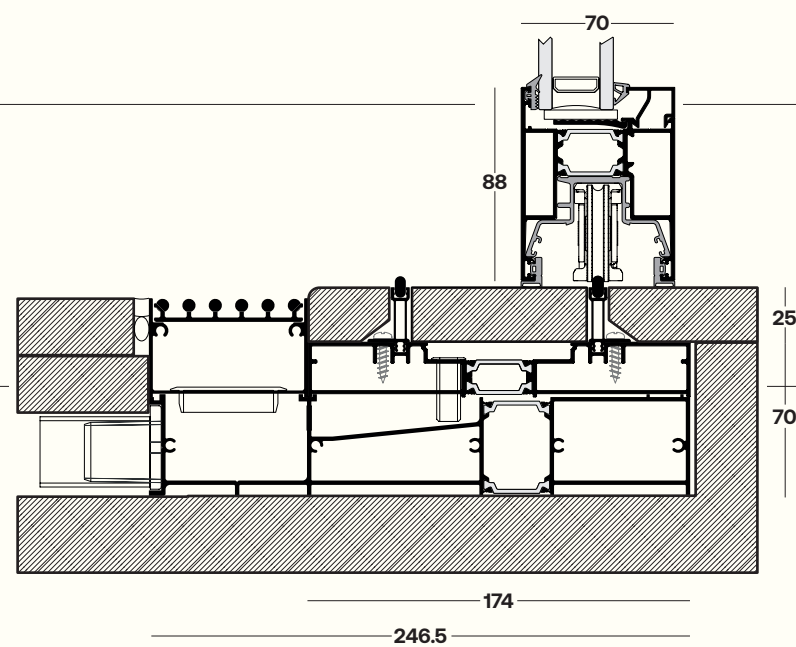
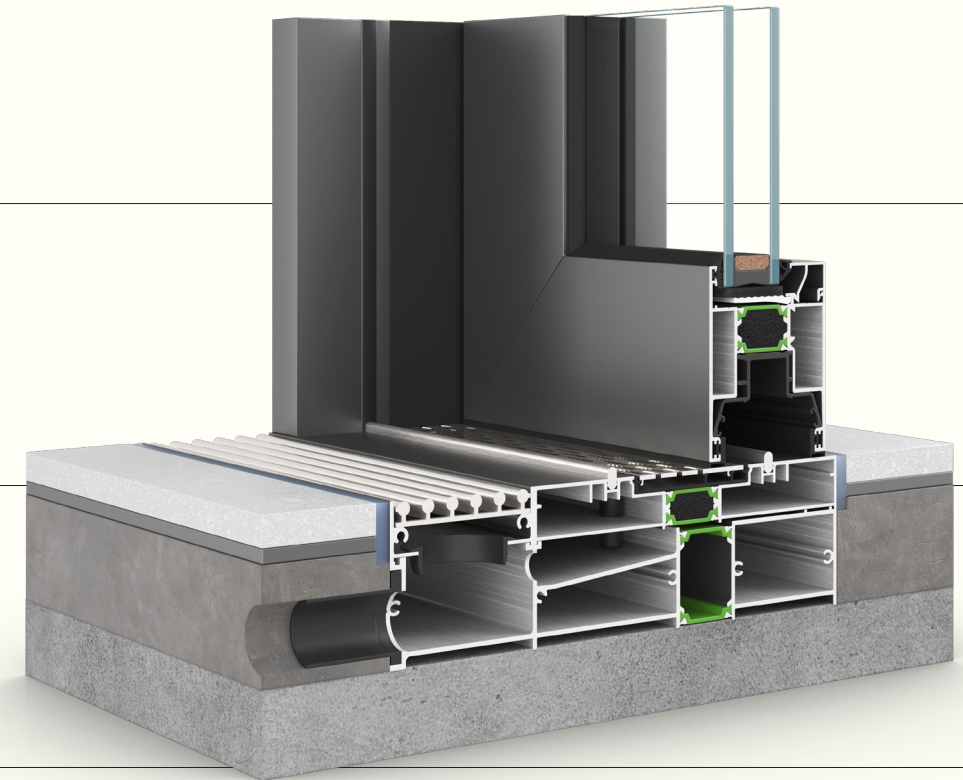
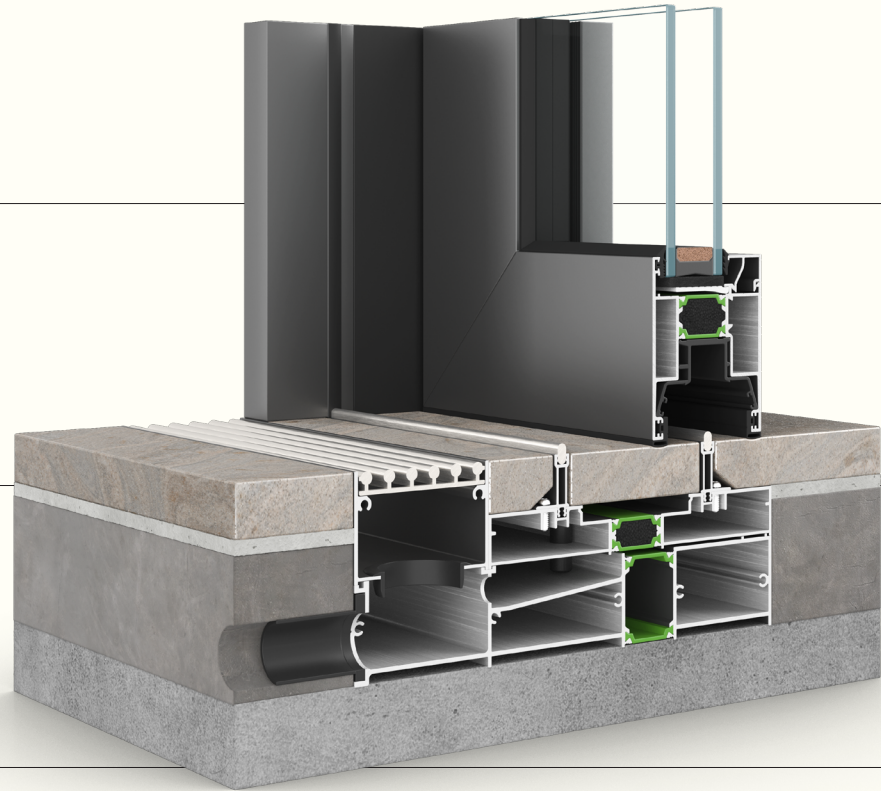


Hidden Track

The hidden track, totally concealed into the floor and covered with the floor finish, offers the most 'visual impact' solution with outstanding user comfort, ideal for use as a high-end solution in premium commercial projects and luxury residential properties. Top-class water tightness is achieved thanks to the effectiveness of the concealed water drainage system.

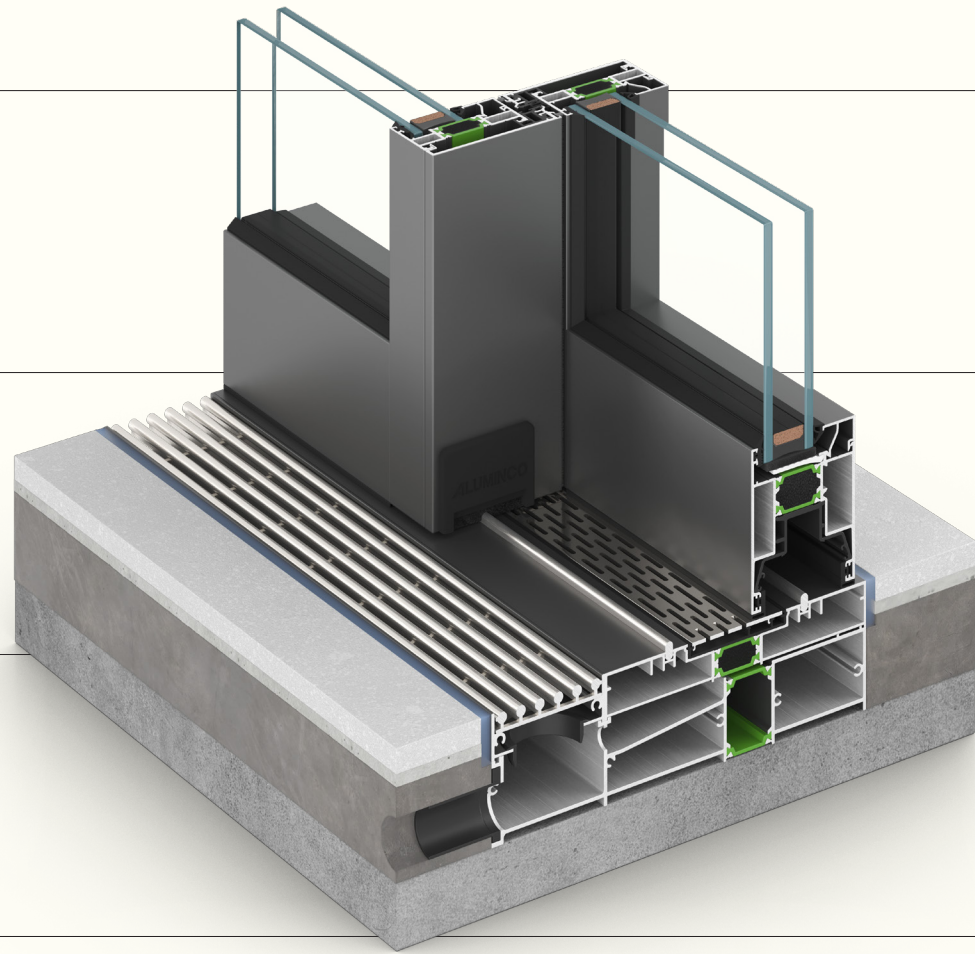
Flat Track

The use of a flat track provides an easy access from inside to outside. Ideal for people with disabilities. Furthermore, the flatness offers protection from dirt collecting in the bottom track.



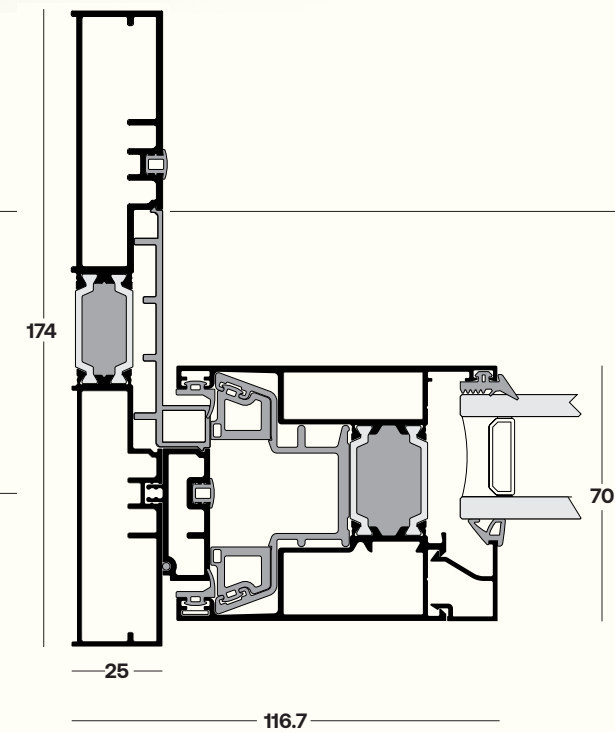
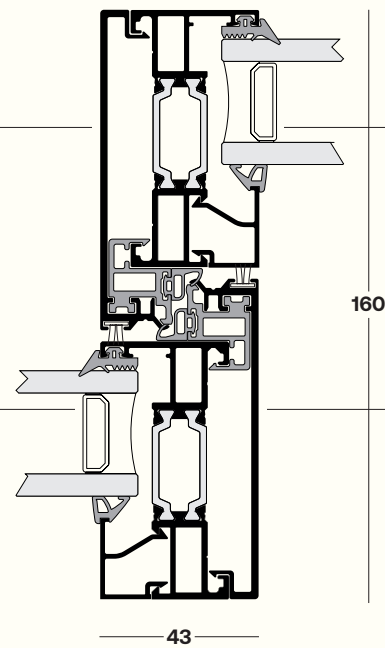
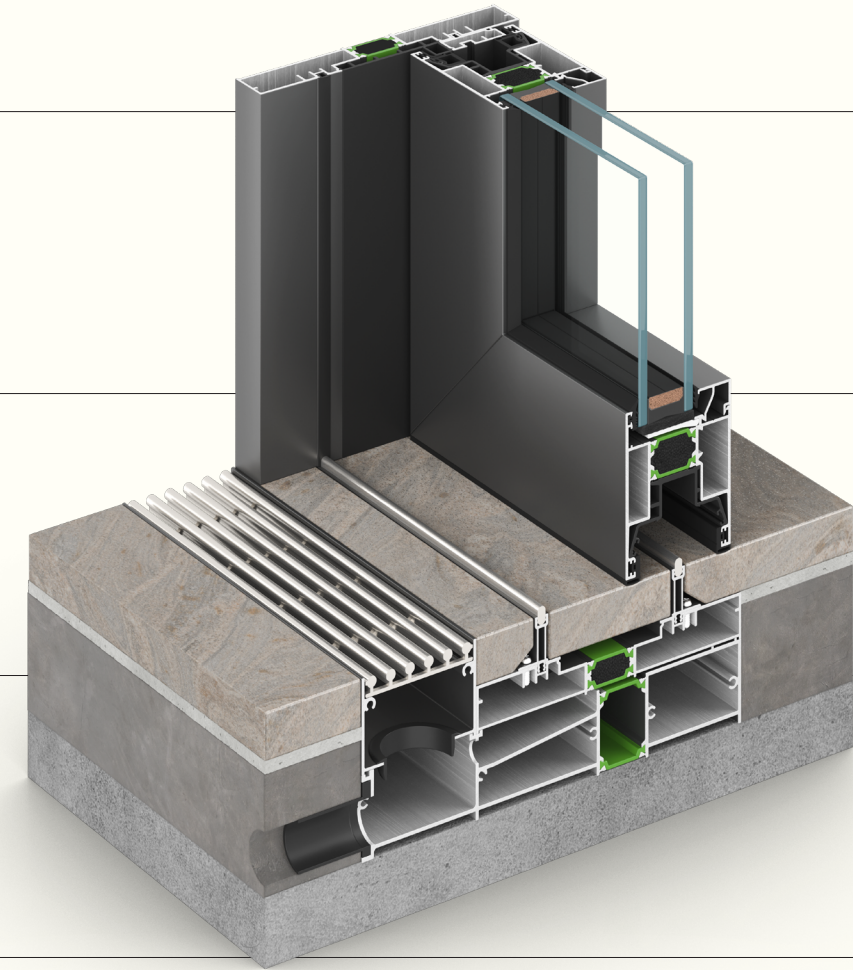
Interlock

Narrow interlocking section with face widths from 43 mm for max transparency.



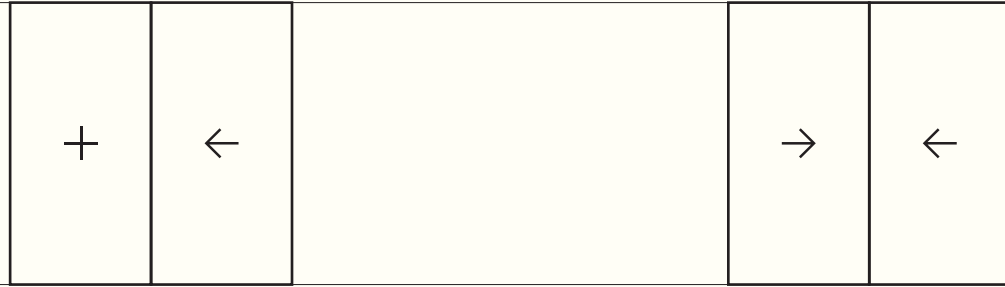
Side Frame

Reduced outer frame ensure an even more slender appearance.



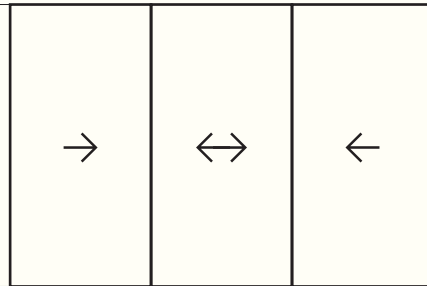


System Configurations

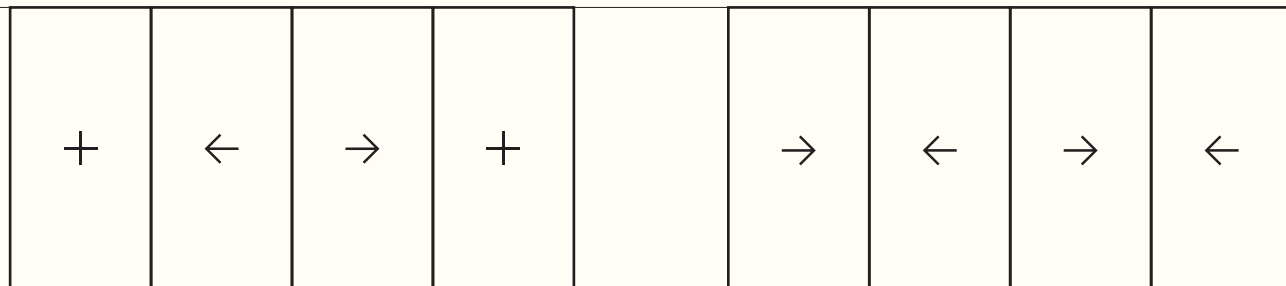


● One Fixed & One Movable Sash

● Two Movable Sashes



● Three Movable Sashes



● Two Side Fixed & Two Central Movable Sashes

● Four Movable Sashes



Technical Data

○ Category

↘ Value

- Exterior Shapes → Flat / Contemporary look with narrow interlock & reduced sightlines
- Window / door Types → Lift-and-slide
- Track Width → 174 mm
- Minimum Track Height → 25 mm
- Visible Aluminum Face Width (Interlock) → 43 mm

- Maximum Sash Width → 3000 mm
- Maximum Sash Height → 3000 mm
- Maximum Sash Weight → Up to 400 Kg
- Sealing Method → Perimetrical with EPDM gaskets & multi-layer brushes
- Hardware → L&S mechanism & rollers with standard or hook version, locking points

- Glass Type → Double / Triple
- Glass Thicknesses → From 24 mm to 52 mm
- Type Of Thermal Insulation → Polyamides of 30 mm, Insulation Foam



System Performances

○ Category

↘ Value

- Thermal → Uf values from 1.7 W/(m²K)
- Air Permeability → Class 4
- Water Tightness → Class 9A
- Wind Load Resistance → Class B4
- Acoustic → 42 dB

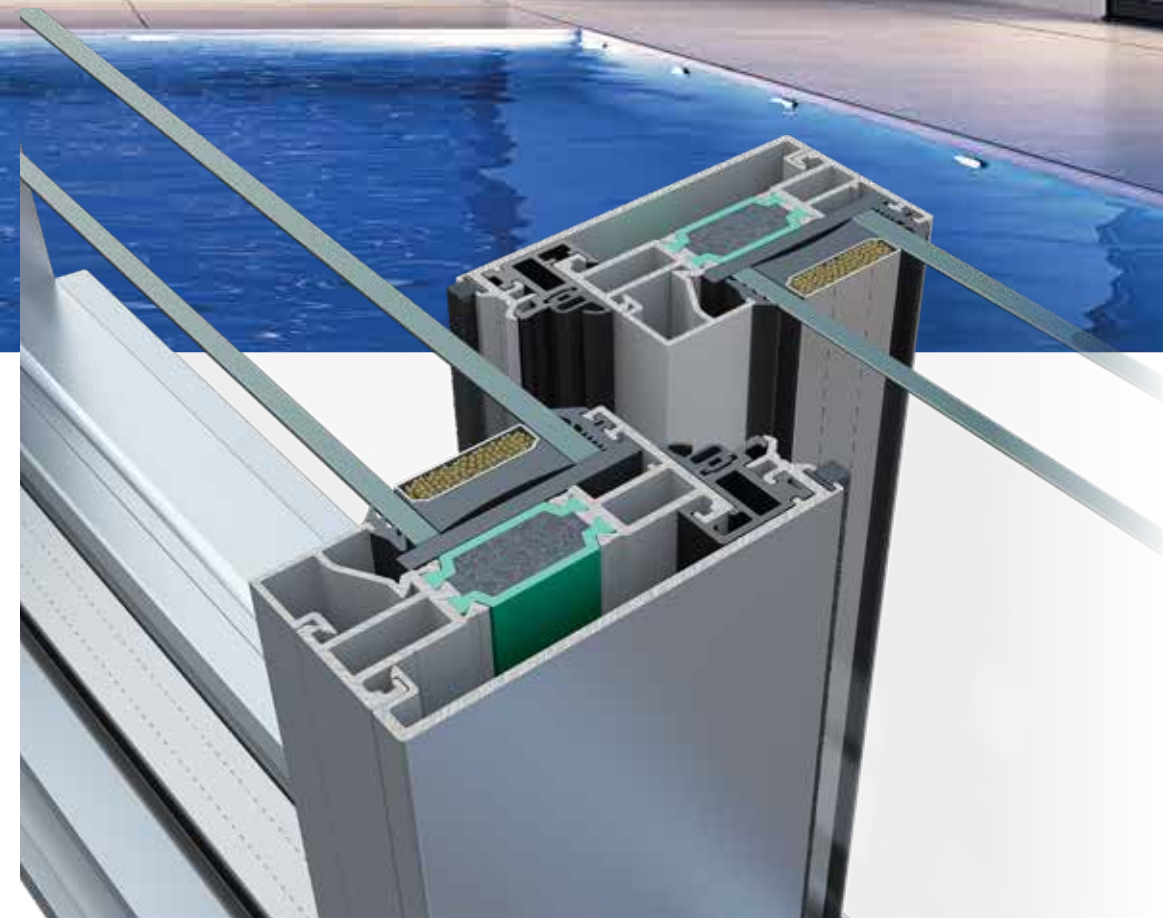
ULTIMATE HIGH-END LOOK GRANTS FREEDOM



Attractive and effective slim-frame-lines, excellent thermal insulation values and high-quality components create an exceptionally uplifting atmosphere.

The architectural aesthetics are depicted on the narrow interlocking face width which permits greater visibility and flow of light, while the ground level threshold offers high comfort and ease of access.

- > Clean flat lines create a new level of aesthetics.
- > Narrow interlocking section with face widths from 43 mm for max transparency.
- > The use of a ground-level, flat threshold of only 25 mm provide the highest level of comfort.

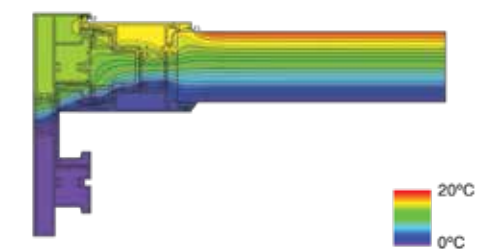


HEAVY-DUTY PERFORMANCE FOR VIRTUALLY ALL ENVIRONMENTS

The ALUMINCO SL2700 is designed from scratch and, as a result, is our most thermally efficient lift-and-side system.

Applying the most accurate performance testing for air, water, wind, sound insulation, structural and forced entry, this next generation system is capable to meet the most extreme performance requirements making it suitable for virtually any location in the world.

- > high rating in thermal insulation index, U_f from $1.7 \text{ W/m}^2\text{K}$
- > with an overall sash depth of 70 mm, exceptional protection from exterior elements is provided while a comfortable and quiet indoor experience is delivered.
- > benefit from high wind load and air-and-water infiltration performance, suitable for high rise applications.



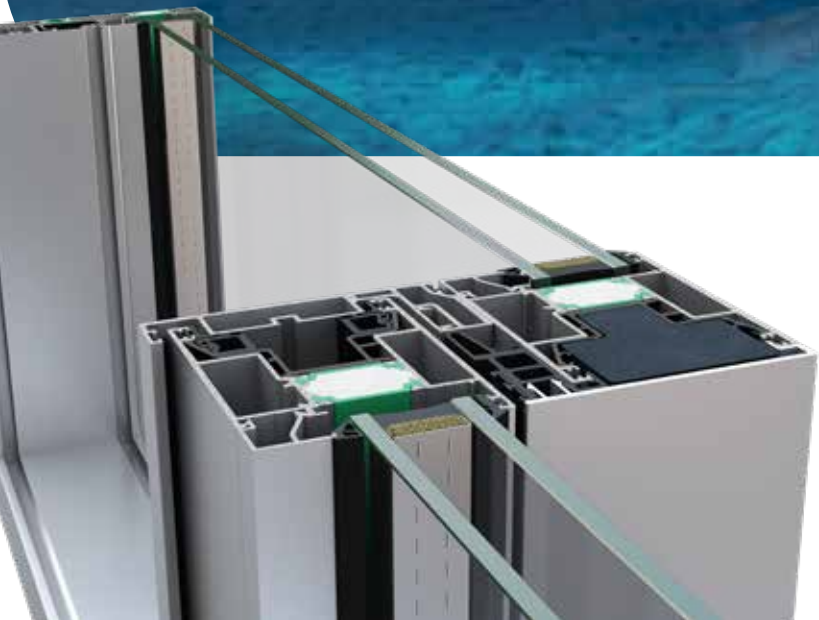
Rate of Insulation

$U_w=1.55 \text{ W/m}^2\text{K}$

Thermal conductivity coefficient has calculated for the construction: **4000x2400 with $U_g=1.0 \text{ W/m}^2\text{K}$**
Glass type: 5/24 (ARGON) /6

EXCEEDING CONVENTIONAL APPLICATIONS

FULFILLING THE NEED FOR WIDE SPANS



The SL2700 is highly durable and is designed to provide more opportunities and more options to the modern professional, therefore upgraded in one of the most efficient systems in its category!

From new construction to remodeling projects, the demand for multi configurations and large units with maximum light penetration is what the ALUMINCO SL2700 has been engineered for.

- > sash units of up to 3 x 3 meters
- > minimal frame with narrow interlock is even possible at a meeting style connection.
- > high quality fitting components for open and close with ease
- > highly secure multipoint lock with anti-lifter

THE HOTEL SOLUTION EXCLUSIVE PACKAGE

As a system-built architectural solution, the hotel edition can accommodate all known configurations, underscoring the multilayer character of the system.

Thanks to the unique features of the system, all design elements are functionally supported by the hotel edition types, whereas oversized constructions can be accomplished.

- > Optimum combination of comfort and efficiency.
- > Hotel type configurations are specifically engineered to meet the higher standards of hoteliers.
- > Rooms and shared spaces are flooded with light thanks to the minimal frame edition and when used in combination with the flat bottom threshold, totally easy access is experienced.
- > All-glass corners are even possible with the hotel solution frames, as an extra option for more transparency and space.

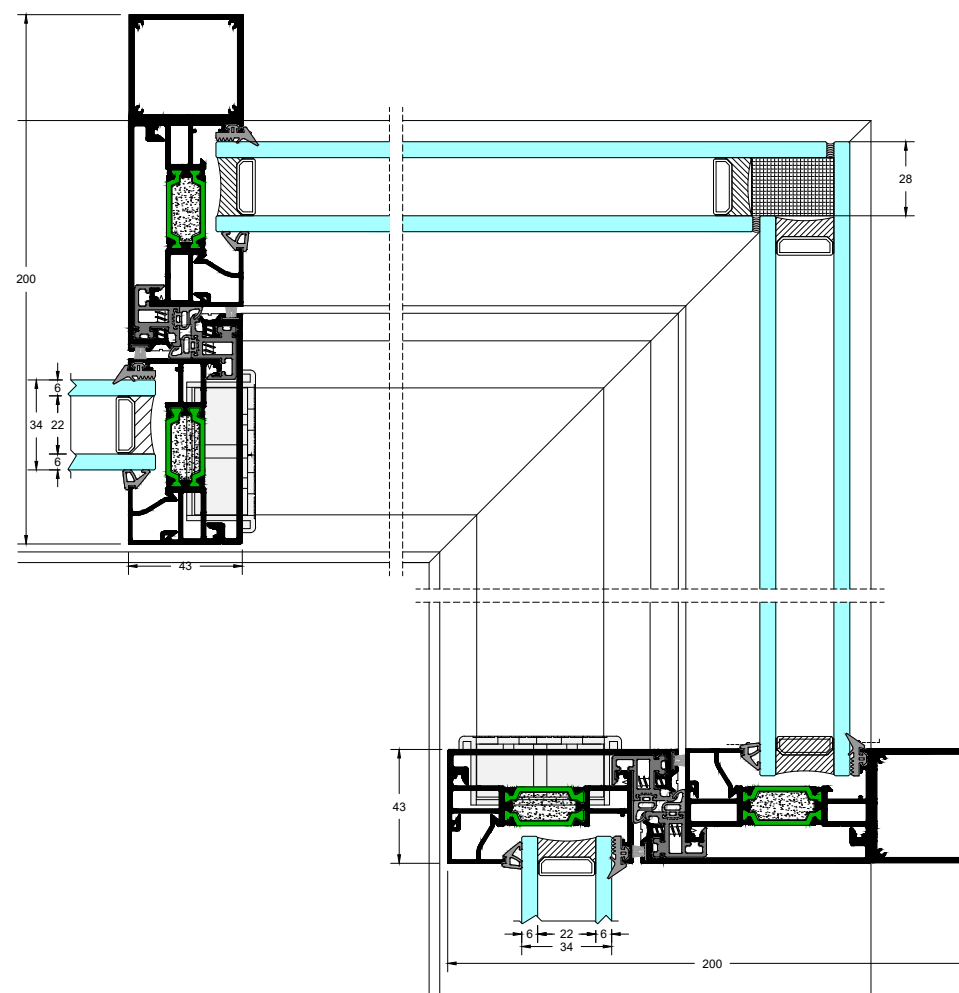


CORNERLESS AND ALL-GLASS CORNERS ARE EXCITINGLY POSSIBLE FOR BREATHTAKING VIEWS

For the most architecturally challenging projects, the system offers all-glass corners as well as 90° open corners requiring no structural post.

Whether you choose an open corner solution or an all-glass corner, a particularly bright and welcoming ambience in the interior is ensured.

- > revel in more style and modernity
- > maximum transparency and light penetration
- > create a greater sense of space



MORE FLEXIBILITY IN LOCKING.

With the new range of fittings, two different options are available. Both ways, the security components are not visible from outside, providing a uniform appearance to the system.



The locking is almost flush fitted in the outer frame, which means that technical details are not visible. This option can meet higher wind loads.



The bolt pins are fixed in the outer frame, providing a consistent and reliable connection between the sash and the frame.



FLOOR TRACK SOLUTIONS

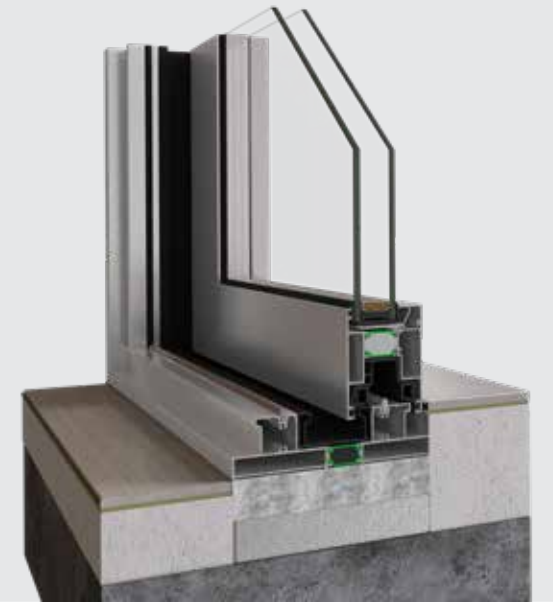
The SL2700 offers a complete range of tracks to fulfil different requirements in advance of the design, the level of comfort and the performance degree.

Single, double, triple, raised, low bottom, flat, viewless are options where almost cover every possible configuration in the real construction. All tracks are thermally insulated for optimum energy efficiency and give the option to be installed flush at interior floor where a drainage system is required.



1 HIGH PERFORMANCE TRACK (RAISED)

The high-performance track is the most weather resistant solution and the most popular one.



2 LOW BOTTOM TRACK

With the low bottom track, accessibility for all users is ensured. Suitable for almost all areas commercial or residential premises.



3 FLAT TRACK

The use of a flat track provides an easy access from inside to outside. Ideal for people with disabilities - ADA compliance. Furthermore, the flatness offer protection from dirt collecting in the bottom track.

4 VIEWLESS TRACK

The «viewless» track, totally concealed into the floor and covered with the floor finish, offers the most 'visual impact' solution with outstanding user comfort-ideal for use as a high-end solution in premium commercial projects and luxury residential properties. Top-class water tightness is achieved thanks to the effectiveness of the concealed water drainage system.

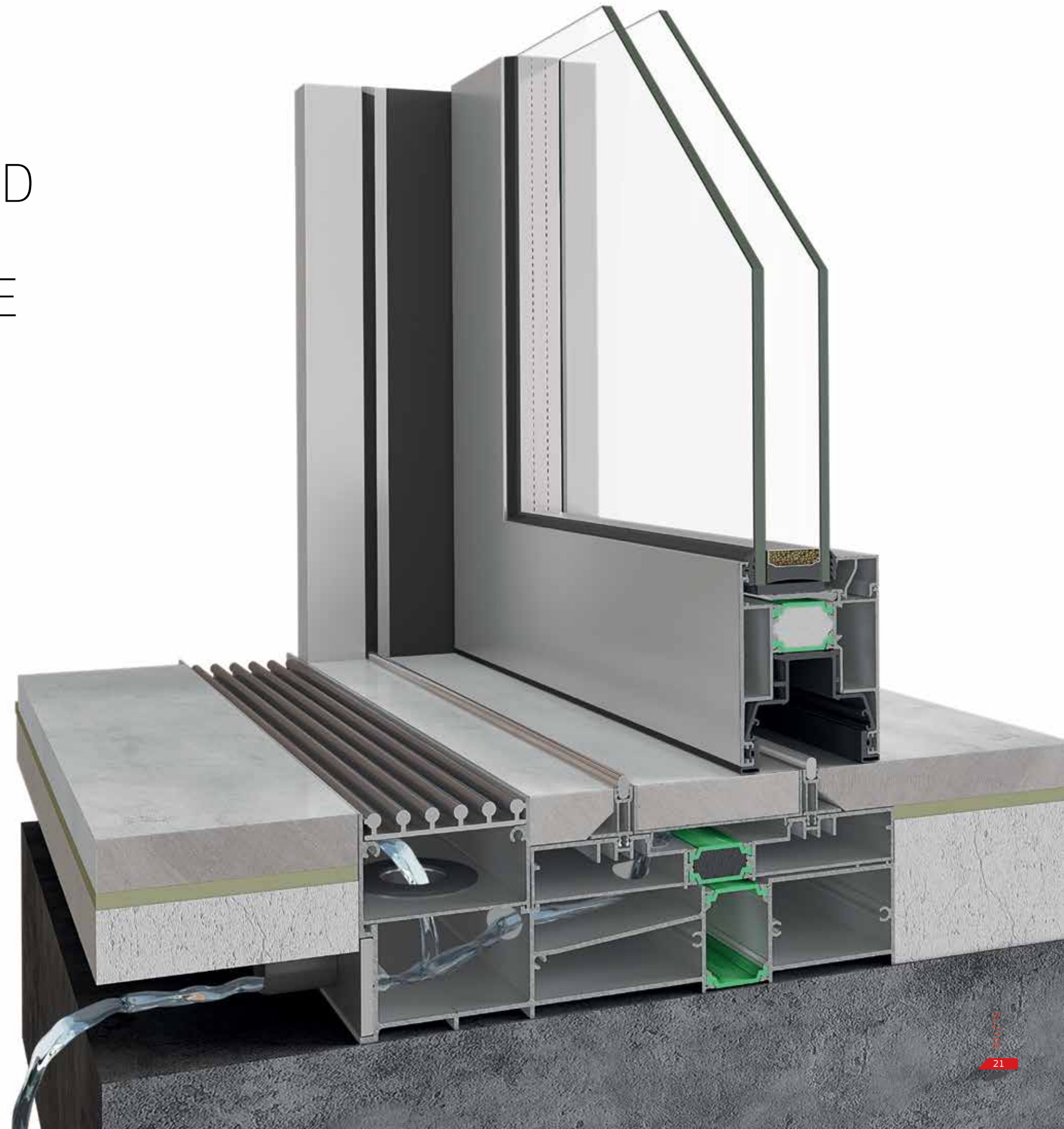


TOP-CLASS WATER TIGHTNESS IS ACHIEVED THANKS TO THE EFFECTIVENESS OF THE CONCEALED WATER DRAINAGE SYSTEM.

Every part of a top aluminium system needs to be perfectly combined in order to form a well-balanced integrated structure. And the controlled drainage of water is no exception.

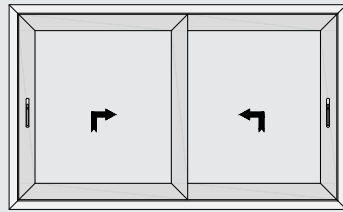
A drainage system within the outer frame ensure controlled drainage of water. The excellent water tightness performance is achieved by using a specially designed profile incorporated as a trough under the system's track, allowing the water to flow through the high-quality plastic fittings straight into the drainage network.

In addition, the symmetrical holes on the profile facilitate and channel effectively the water in the rail's internal chamber, allowing its' easy and quick way out.

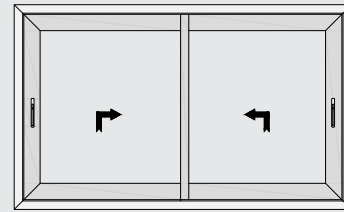


CONFIGURATIONS

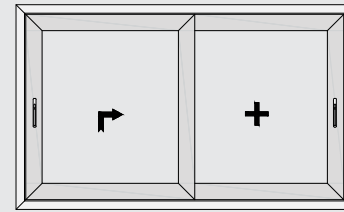
High performance frame



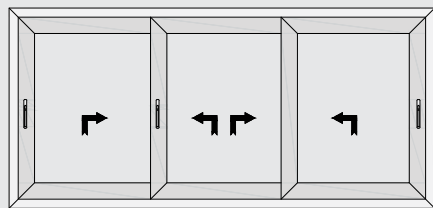
standard frame
2-sashes double track



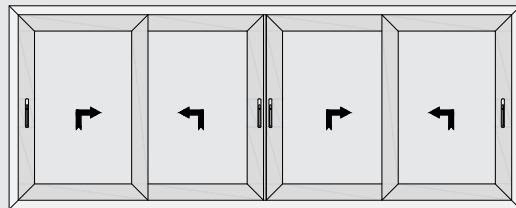
standard frame
2-sashes double track
with narrow interlock



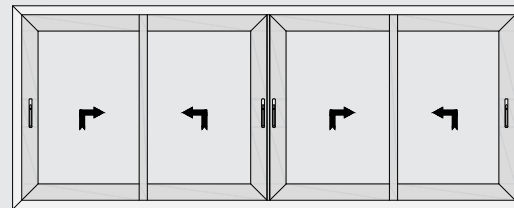
standard frame
1-sash 1-fixed



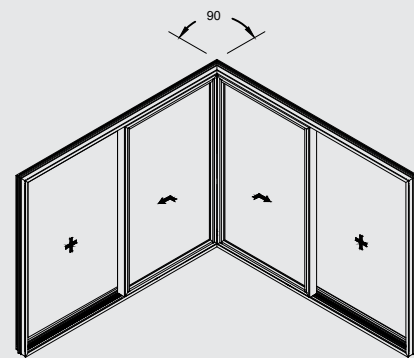
standard frame
3-sashes 1-side slide triple track



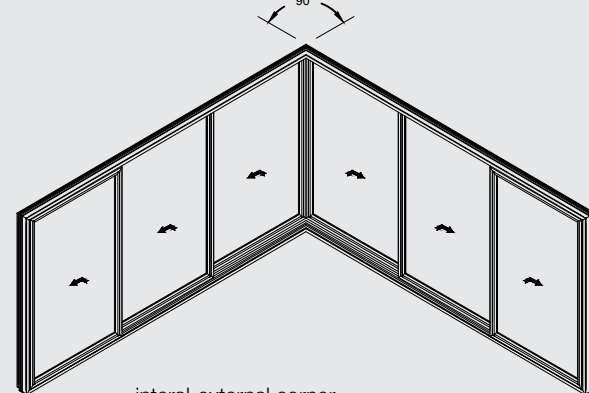
standard frame
4-sashes double track
with meeting style



standard frame
4-sashes double track
with narrow interlock and meeting style

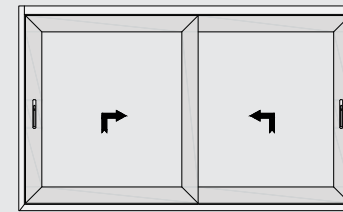


internal-external corner
fixed 2-sashes fixed

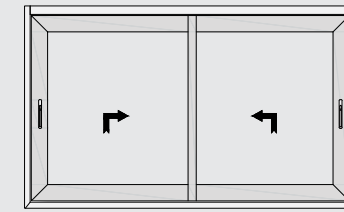


internal-external corner
3-sashes triple track

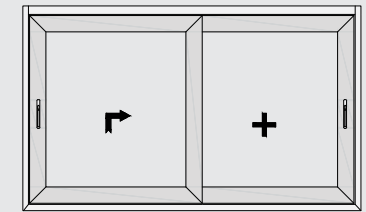
Low bottom frame / Flat frame / Embedded frame



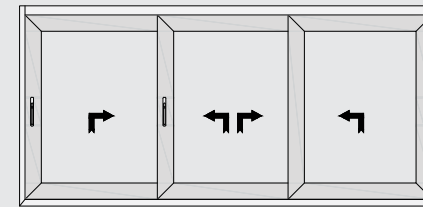
minimal frame
2-sashes double track



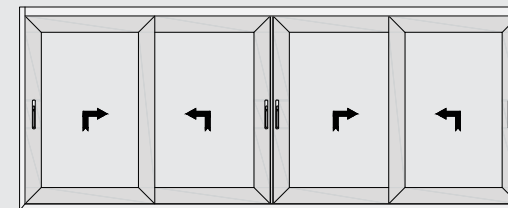
minimal frame
2-sashes double track
with narrow interlock



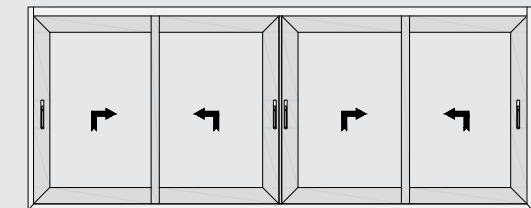
minimal frame
1-sash 1-fixed



minimal frame
3-sashes 1-side slide triple track

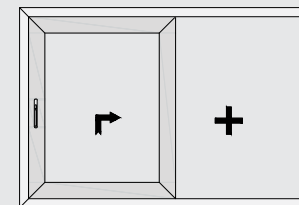


minimal frame
4-sashes double track
with meeting style minimal frame

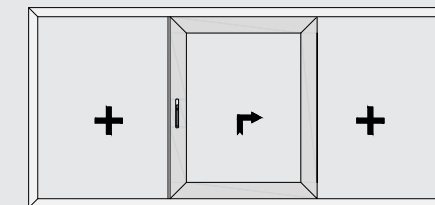


minimal frame
4-sashes double track
with narrow interlock and meeting style

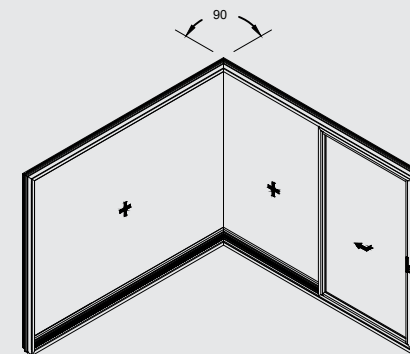
Hotel solutions frame



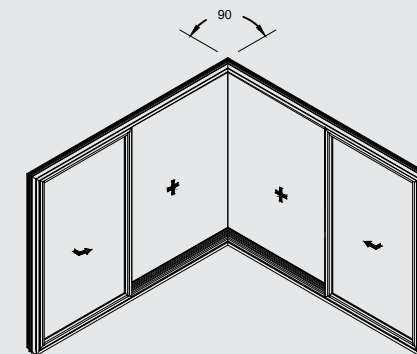
hotel solution
1-sash 1-fixed



hotel solution
1-fixed 1-sash 1-fixed



internal-external corner
2-fixed 1-sash



internal-external corner
1-sash 2-Fixed 1-sash

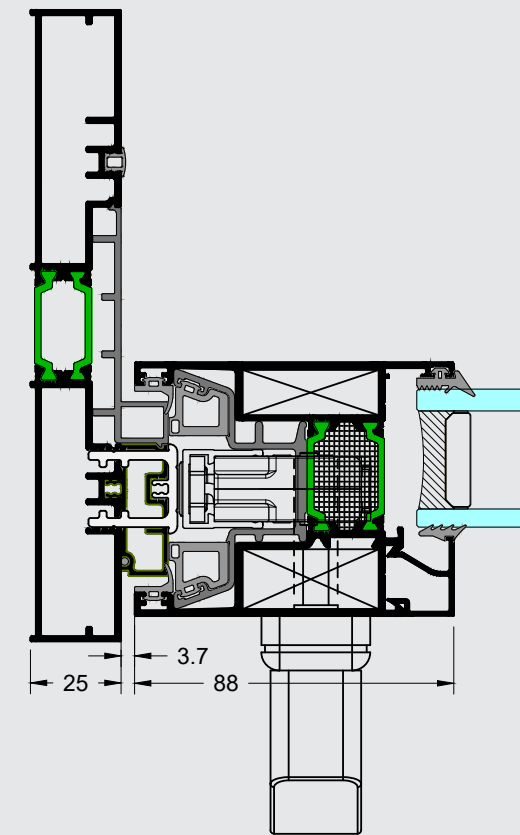
TECHNICAL CHARACTERISTICS

Technical characteristics

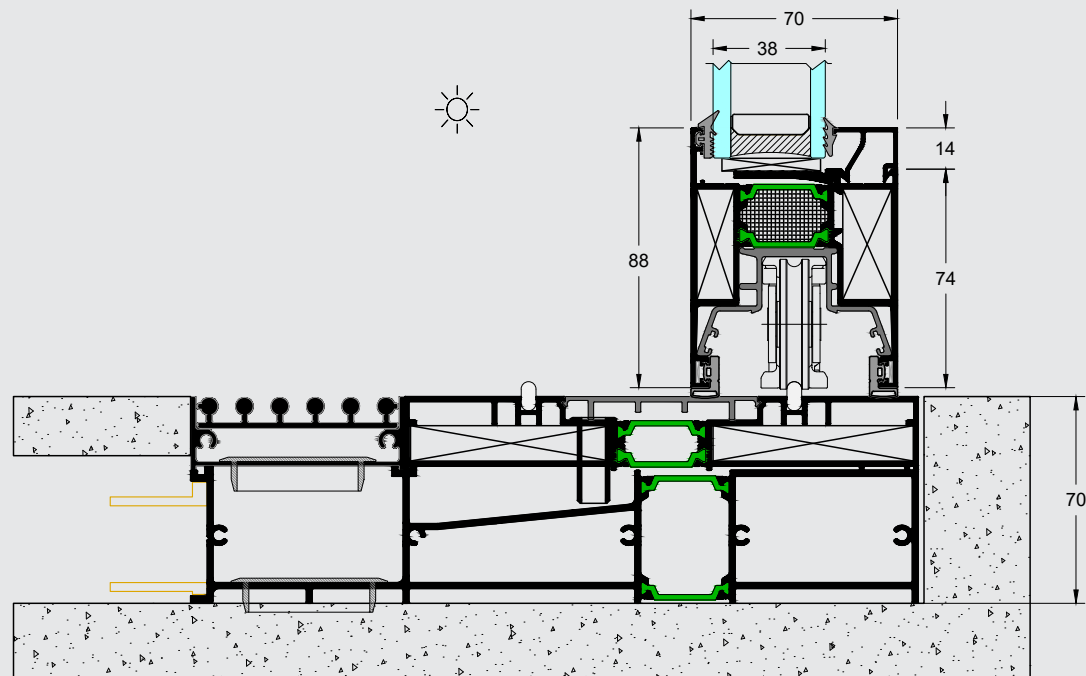
Hardware	Lift & slide
Min. face height	116 mm
Frame height	25 / 45 mm
Frame width	174 mm
Sash height	88 mm
Sash width	70 mm
Interlocking profile width	43 / 96 mm
Sash Weight	up to 400 Kg
Glass thickness	24-52 mm
Insulation	Polyamides

Performances

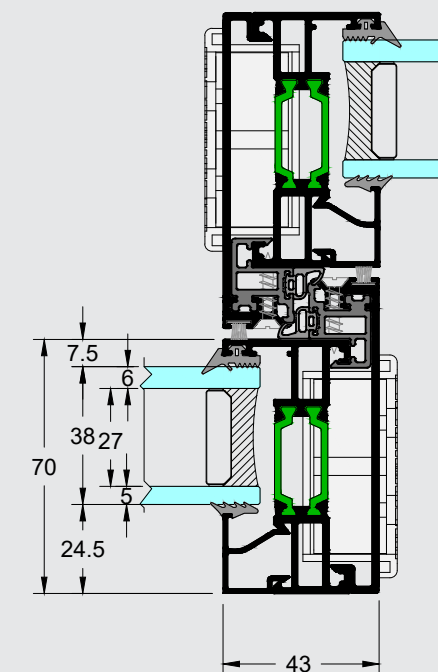
Thermal insulation EN 10077-2	U_f from 1.7 W/m ² K
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Minimal overlapping frame



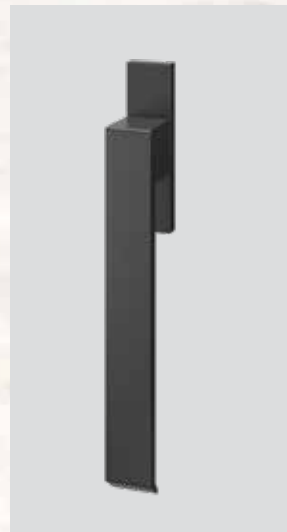
Flat bottom track - water drainage system



Narrow interlock

QUADRA

An
aluminium
system is
great in the
details



Lift & Slide



Window Handle



Lift & Slide



Door Handle

When you're improving your home, you need to look at the details: those things that you sometimes take for granted, but which often make the difference between a good choice and the best choice.

Make a design statement with ALUMINCO handles.

The handle of a window or a door makes its own contribution, adding its own elegance and class. Designed especially for ALUMINCO, our handles look and feel beautiful, function supremely and engineered to last.

ALUMINCO®

Inofita, Viotia GR-32011- Greece
T. +30 22620 47000 ■ F. +30 22620 47090
www.aluminco.com ■ info@aluminco.com