



# Schöne

ADVANCED ALUMINIUM  
SOLUTIONS

# CONTEMPORARY NEEDS

## REQUIREMENT

Energy Efficiency  
Optimization

**SAVING**



Security

Soundproofing

Perfect Functionality

High Aesthetics

Design Options

## BECAUSE quality windows:

Add value to the  
building image

Upgrade the indoor  
climate creating quality  
living conditions.

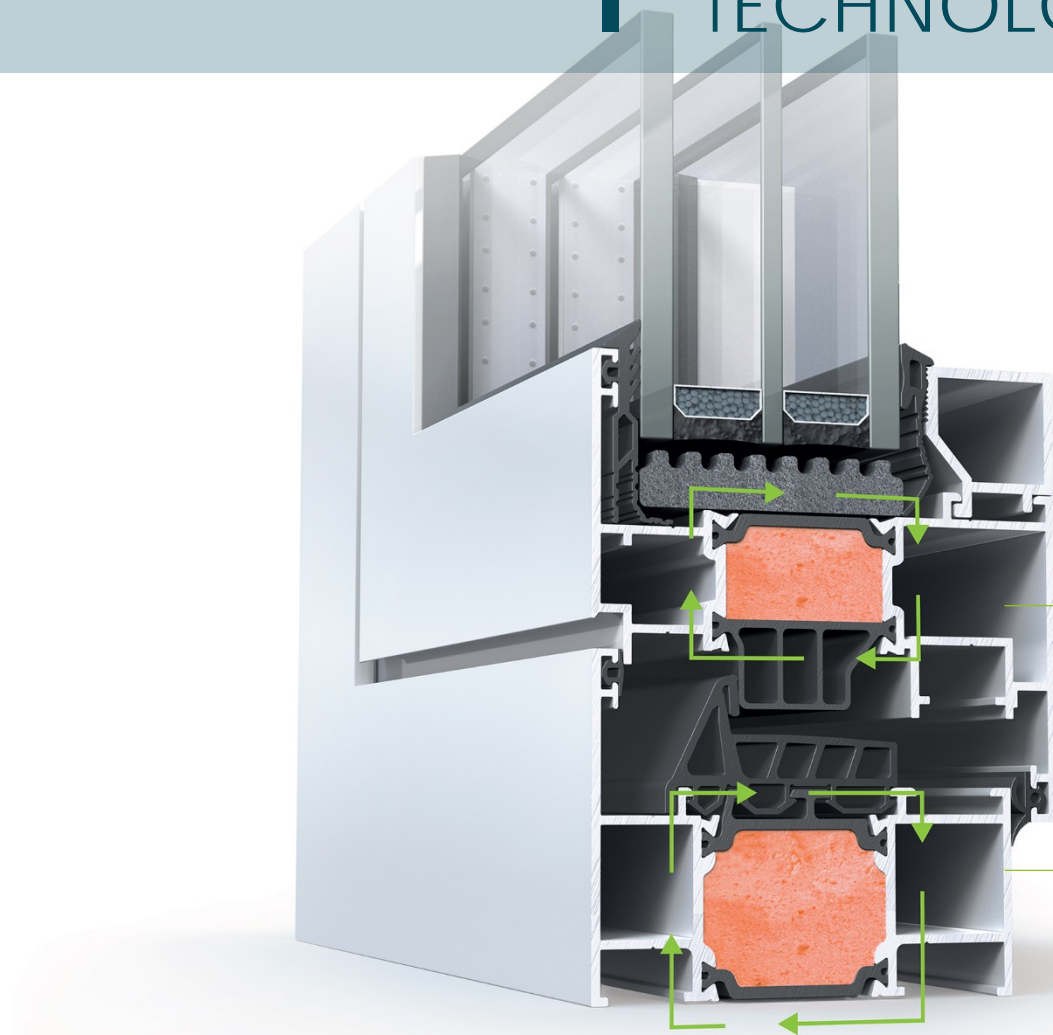
## CHALLENGE

**Competitive Cost**



CONSTRUCTION STANDARDS		nZEB - ZEB 31/12/2018+
ENERGY NEEDS for heating a typical home		10-0
		kWh/(m <sup>2</sup> .ε)
Building Conditions		Very low energy consumption
CONSTRUCTION MATERIALS	Typical U values & Insulation thickness	
Outdoor Mansory ( 25cm)	0,13 W/(m <sup>2</sup> K)	
Insulation Thickness	20 cm	
Roof	0,1 W/(m <sup>2</sup> K)	
Insulation Thickness	30 cm	
Flooring	0,15 W/(m <sup>2</sup> K)	
Insulation Thickness	20 cm	
Frames	0,8 W/(m <sup>2</sup> K) triple glazing	
Ventilation	Comfort ventilation with heat recovery	
Emissions CO2 (m2.a)	1,5 kg	
Petrol Energy Consumption in lt / m <sup>2</sup> / year	1-0 lt	

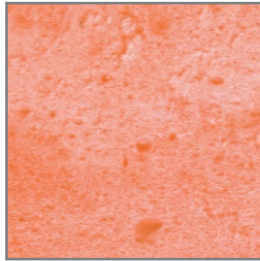
# I<sup>2</sup> TECHNOLOGY



Additional **Insulation Zone**  
with **foam filled**  
thermal brake chamber.



# I<sup>2</sup> TECHNOLOGY



## INSULATION MATERIAL

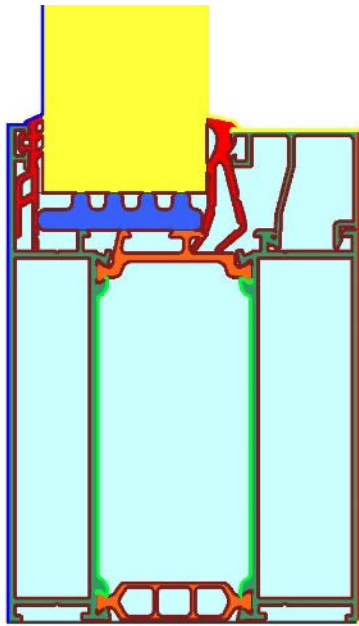
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- Custom made
- With **CERTIFIED** - from the accredited Body CEIS- thermal conductivity value  **$\lambda$  0,023 W/mK**
- Has the **optimum density** for perfect thermal insulation
- The **profile thermal transmittance value (Uf)** can be improved up to 38%



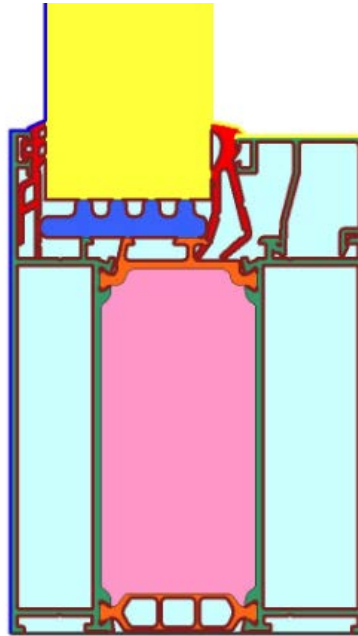
# I<sup>2</sup> TECHNOLOGY

1. Profile Section **Empty**



$$U_f = 1,66 \text{ W/m}^2\text{K}$$

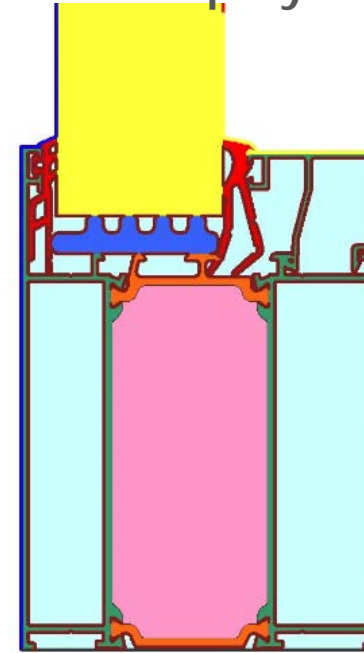
2. Profile Section **with I<sup>2</sup>**



$$U_f = 1,06 \text{ W/m}^2\text{K}$$

**36%** improvement

3. Profile Section **with I<sup>2</sup> and flat polyamide bar**



$$U_f = 1,03 \text{ W/m}^2\text{K}$$

**38%** improvement

# I<sup>2</sup> TECHNOLOGY

**WIN-WIN:** Significant advantages for all parties.  
FABRICATORS – ENGINEERS - CONSUMERS

1. The I<sup>2</sup> Technology is **exclusively implemented at** the innovative production facility.
2. **No need** for the fabricators **to replan** the internal production line, thus:
  - **No extra costs** are added
  - **Quality** of material & fulfillment are **factory assured**
3. Partners gain a **unique advantage** that differs them from their competitors, in these tough market conditions

# I<sup>2</sup> TECHNOLOGY

**WIN-WIN:** Significant advantages for all parties.  
FABRICATORS – ENGINEERS - CONSUMERS

4. The new technology applies to ALL **Xclusive & Multilock** Thermal Brake systems, completing **a full range of energy saving products** for every consumer, covering every need of building and renovation.
5. We strategically decided **not to charge with significant extra costs** the application of the I<sup>2</sup> Technology, so that the I<sup>2</sup> products can become an **affordable though premium solution**.
6. **With the I<sup>2</sup> Innovation, consumers can finally enjoy all the benefits of aluminium doors & windows, with OPTIMUM ENERGY EFFICIENCY performance.**

# I<sup>2</sup> TECHNOLOGY

## ADDITIONAL BENEFITS!



**ELIMINATE THE CONDENSATION** to aluminium windows, using I<sup>2</sup> Technology.

# I<sup>2</sup> TECHNOLOGY

*Practical example:*

when

## INTERNAL CONDITIONS

Relative Humidity : 60%  
Room temperature : 22° C

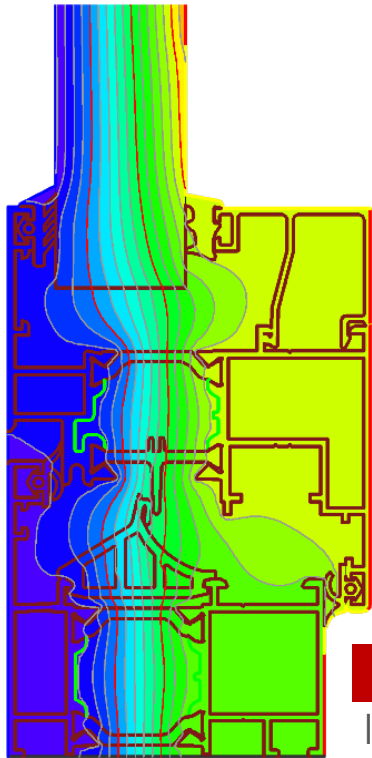
then

DEW POINT **14° C**

That means that with the specific internal conditions every room surface having equal or less temperature than 14°C, will appear condensation.

# I<sup>2</sup> TECHNOLOGY

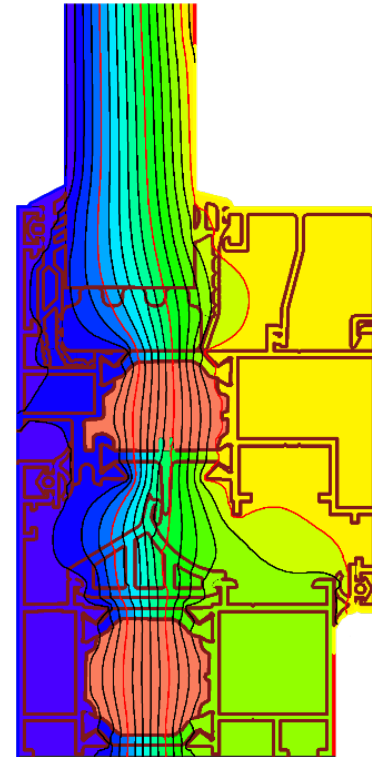
DEW POINT 14°C



46 MULTILOCK  
without Technology I<sup>2</sup>



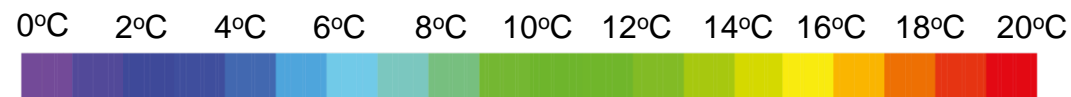
13° C < Dew point  
INSIDE



46 MULTILOCK  
With Technology I<sup>2</sup>



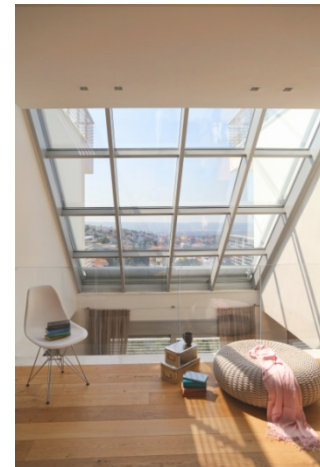
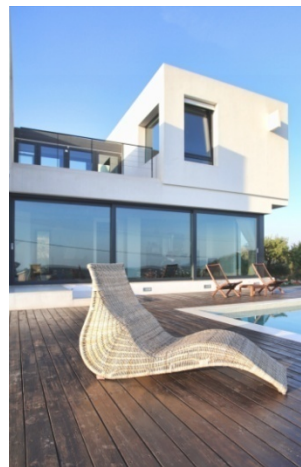
15° C > Dew point  
INSIDE



# OUR PRODUCTS

We offer a **full range** of **advanced aluminium systems** that meet the highest architectural requirements for all design options.

OPENING  
SLIDING + L/S  
ATRIUM  
FACADES  
SHADING SYSTEMS





# OUR PRODUCTS

All systems are offered in **400+ colors** & adoring combinations of **double color**.

Our proposal to consumer **should be DOUBLE COLOR**

Because:

- Can be offered in **short delivery time**
- **With no** significant extra cost
- Consists a proposal that **upgrades the every day living**

# OPENING SYSTEMS XCLUSIVE 85i<sup>2</sup>/86i<sup>2</sup>/87i<sup>2</sup>

## New Class of Opening Systems

The New XCLUSIVE systems not only correspond to the complex requirements for **maximum energy efficiency**, **sound proofing**, **security** and **water tightness** but also meet the highest architectural requirements for **design options** with **basic depth OF ONLY 77mm**

**85i<sup>2</sup>** Camera Europea

**86i<sup>2</sup>** Multilock

**87i<sup>2</sup>** Aluminium/ Wood

# OPENING SYSTEMS XCLUSIVE 85i<sup>2</sup>/86i<sup>2</sup>/87i<sup>2</sup>



RC2

**New Class** of Opening Systems



**OUTSTANDING THERMAL INSULATION**

XCLUSIVE 87i<sup>2</sup>

U<sub>f</sub> : **1.1-1.4** W/m<sup>2</sup>K

U<sub>w</sub>\* : **1.3** W/m<sup>2</sup>K

U<sub>w</sub>\* : **1.0** W/m<sup>2</sup>K

U<sub>w</sub>\*\* : **0.78** W/m<sup>2</sup>K

XCLUSIVE 85i<sup>2</sup>/ 86i<sup>2</sup>

U<sub>f</sub> : **1.1-1.6** W/m<sup>2</sup>K

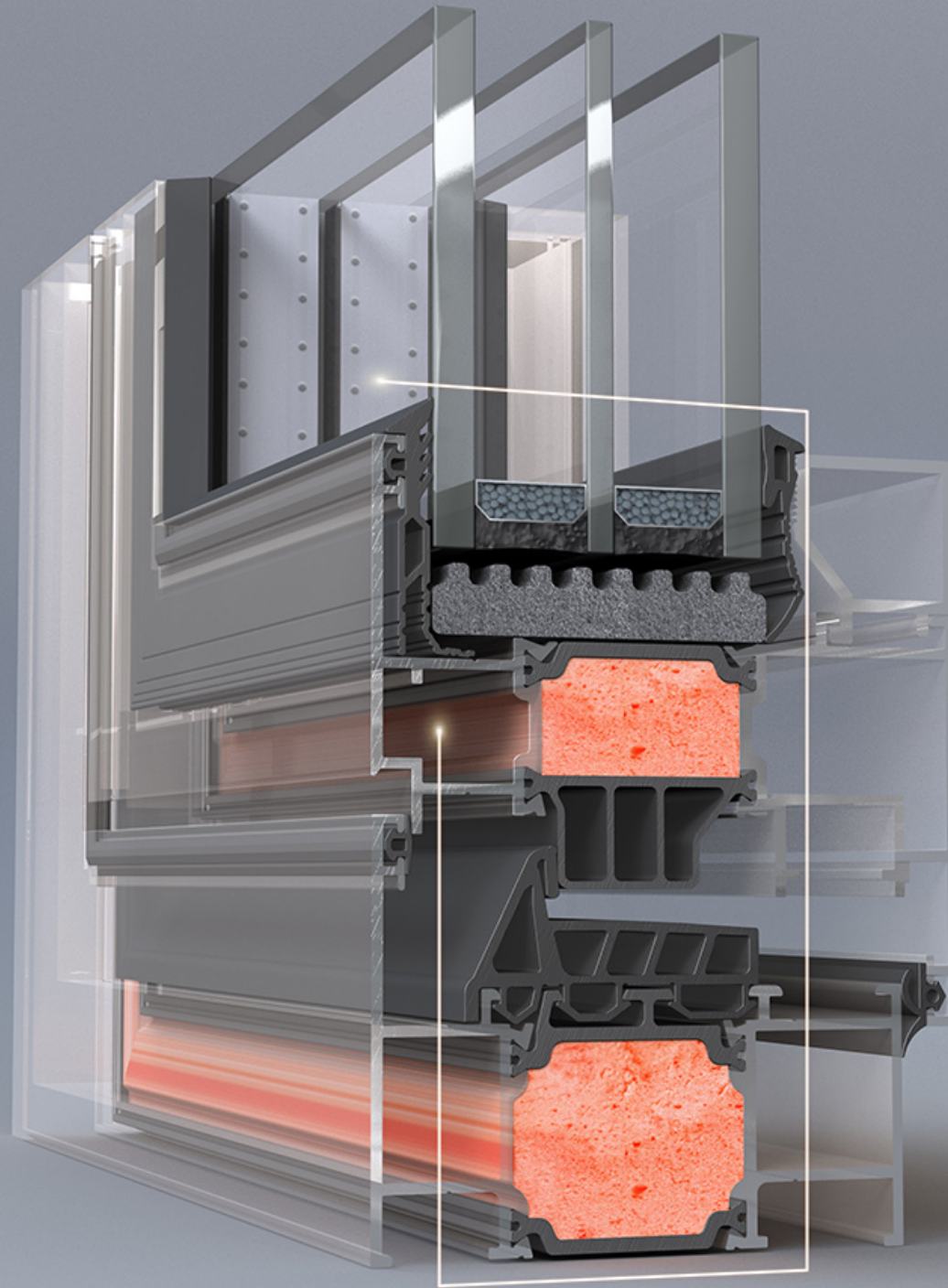
U<sub>w</sub>\* : **1.4** W/m<sup>2</sup>K with double glazing (U<sub>g</sub> 1.0)

U<sub>w</sub>\* : **1.1** W/m<sup>2</sup>K with triple glazing (U<sub>g</sub> 0.6)

U<sub>w</sub>\*\* : **0.81** W/m<sup>2</sup>K με τριπλή υάλωση (U<sub>g</sub> 0.5)

\*Single Sash Window 1.400mm x 1.400mm

\*\*Single Sash Window 1.600mm x 2.400mm



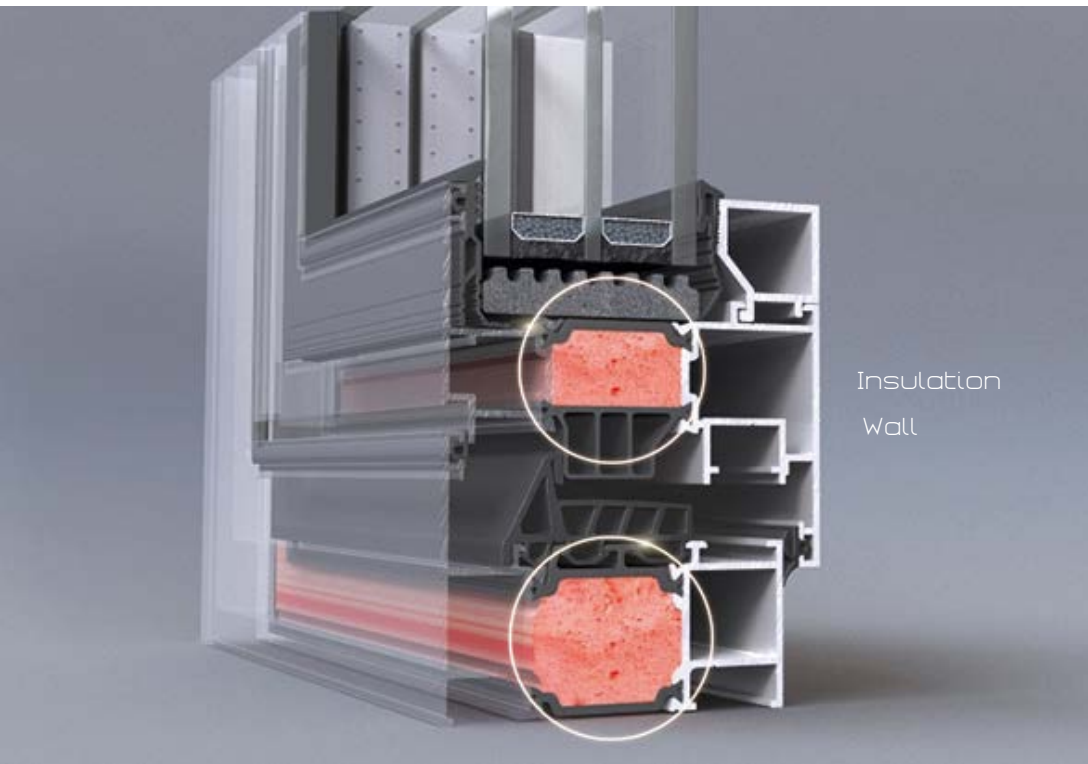
Insulation  
Wall

# OPENING SYSTEMS XCLUSIVE 85i<sup>2</sup>/86i<sup>2</sup>/87i<sup>2</sup>



RC2

## New Class of Opening Systems



### OUTSTANDING THERMAL INSULATION

- **Multi-chamber polyamide bars 34mm** with glass fibers reinforcement (25%, PA6.625 GF), for excellent insulation and extra rigidity.
- Specially designed **central gasket with 5 cavities** that covers all the polyamide surface and **glazing gaskets with fins**, for effective heat transfer minimization.
- **Optimized Foam Filled insulation zone** that ensures excellent Isothermal Flow of the window.

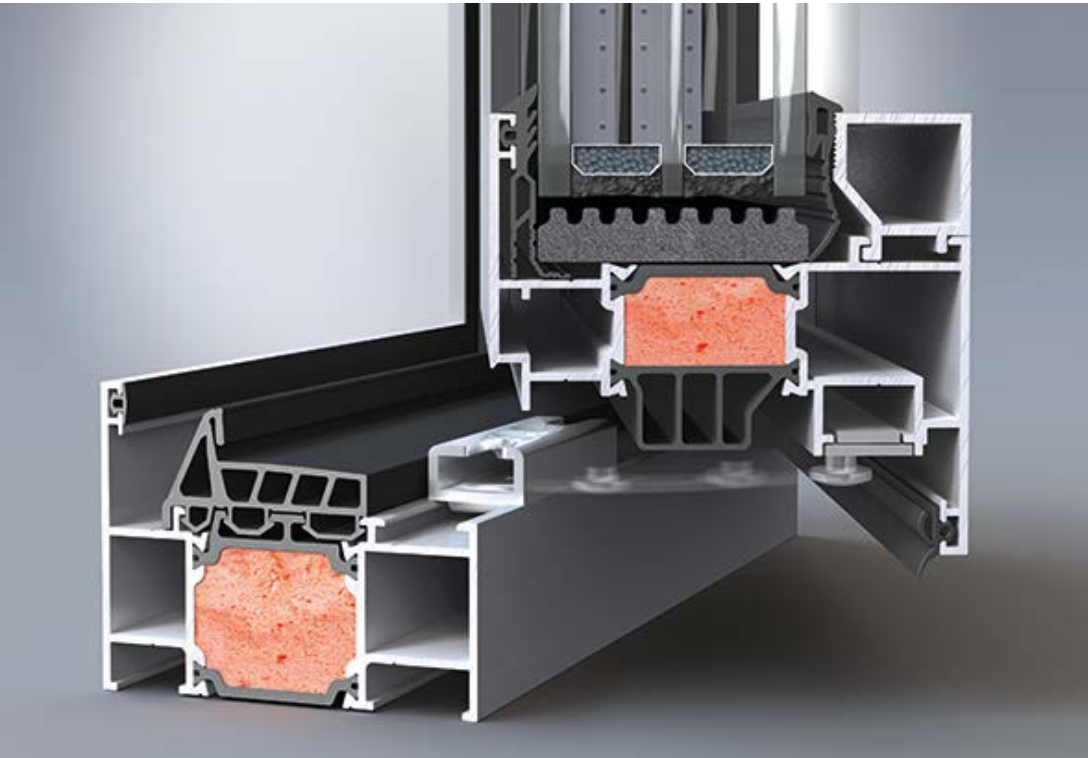


# OPENING SYSTEMS XCLUSIVE 85i<sup>2</sup>/86i<sup>2</sup>/87i<sup>2</sup>



RC2

**New Class** of Opening Systems



## ADVANCED SEALING SYSTEM

Innovative Mullion End Cap of TPV  
EPDM corners for the central & glazing gaskets  
Special drainage channels on the frame & sash



## SECURITY

Certified RC2 (WK2) Security Level, with up to **21 locking points** around the window (86i<sup>2</sup> / 87i<sup>2</sup> editions)



## SOUND REDUCTION

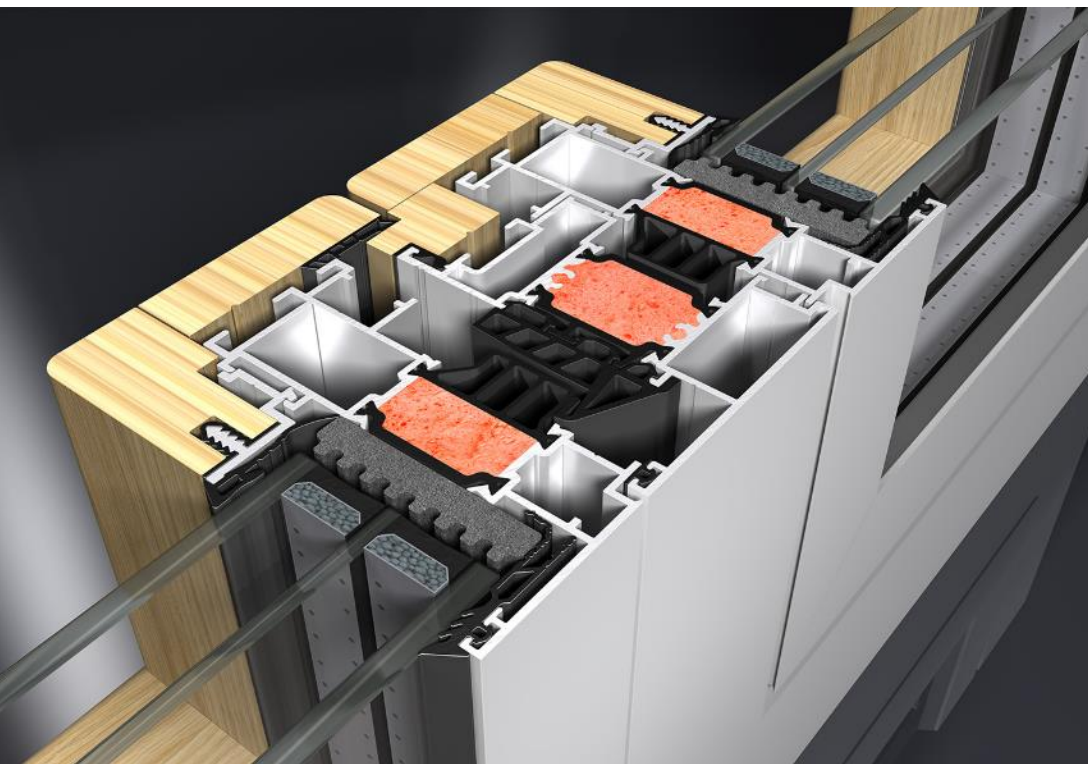
Certified 43Db Sound Reduction (85i<sup>2</sup> / 86i<sup>2</sup> editions)

# OPENING SYSTEMS XCLUSIVE 85i<sup>2</sup>/86i<sup>2</sup>/87i<sup>2</sup>



RC2

## New Class of Opening Systems



### ∞ DURABILITY FOR A LIFE TIME

max 2.4 m

max 1.6m /sash

kg 130 kg /sash

Glazing up to **60mm** in 85i<sup>2</sup>/86i<sup>2</sup>, up to **48mm** in 87i<sup>2</sup>

Basic Depth **77** mm

Min Face Width F-S **109.5** mm

- **3 Axis polyamide alignment corners** with channels for **glue inflow**, providing extra rigidity to the final product
- **Corner joints** with specially designed **recesses to fasten the hinge pins**, absorbing the glazing weight and ensuring long lasting operation of the final product
- **Re-enforced profile wall thickness** (1.5-2.0 mm) with high values of moment of inertia, suitable for wide and complex constructions)
- **In ALU+WOOD edition luxurious appearance with wood all over the inside surface, even on the adjoining profile.**

# OPENING SYSTEMS XCLUSIVE 85i<sup>2</sup>/86i<sup>2</sup>/87i<sup>2</sup>



RC2

**New Class** of Opening Systems



## APPLICATIONS

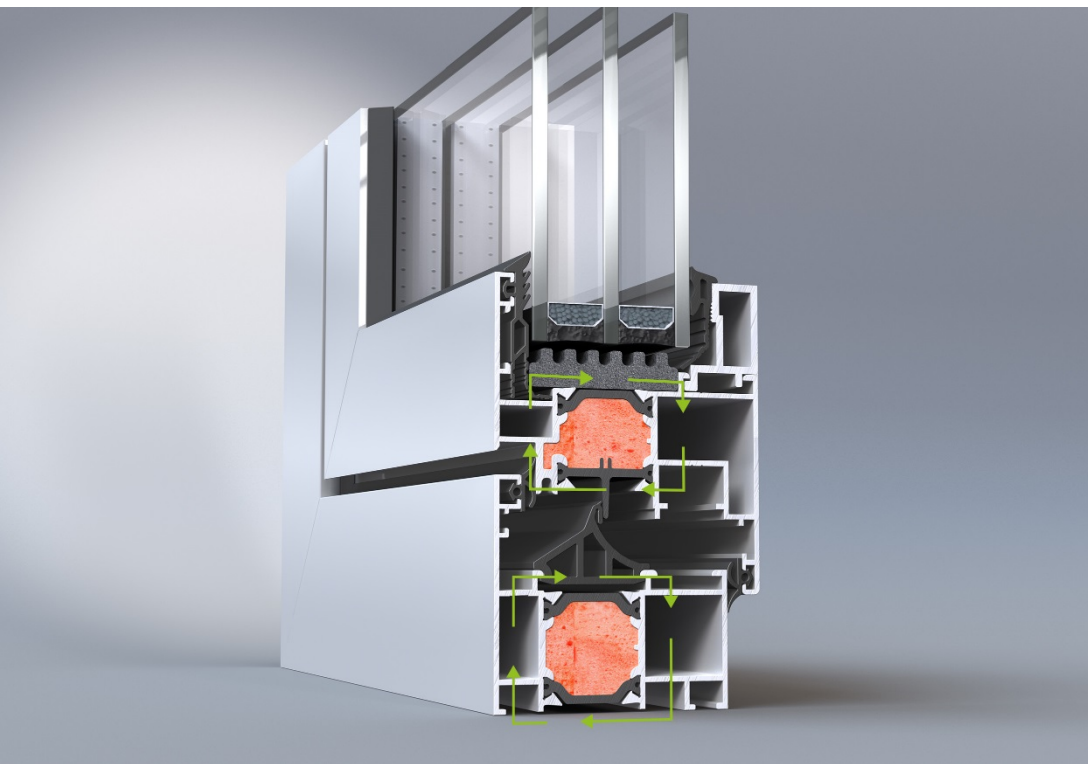
- Fixed
- Opening and Tilt & Turn
- Folding Doors
- Parallel slide and Tilt Fitting Constructions (VW)
- Window Wall Constructions



# OPENING SYSTEMS MULTILOCK 46i<sup>2</sup>



E900



## HIGH THERMAL INSULATION

U<sub>f</sub> : **1.76-2.16** W/m<sup>2</sup>K

U<sub>W</sub>\*: **1.5** W/m<sup>2</sup>K with double glazing (U<sub>g</sub> 1.0)

U<sub>W</sub>\*: **1.3** W/m<sup>2</sup>K with triple glazing (U<sub>g</sub> 0.6)



## SECURITY

**WK2** Security Level, with up to **21 locking points** around the window

\*Single Sash window 1.400mm x 1.400mm

# OPENING SYSTEMS MULTILOCK 46i<sup>2</sup>



E900



## SEALING SYSTEM

- EPDM corners for the central & **glazing gaskets**
- Optimized **EPDM specimen** to connect the Mullion Cap with the central gasket, ensuring effective water tightness

## ∞ DURABILITY FOR A LIFE TIME



max 2.25 m



max 1.0 m /sash



90 kg /sash



Glazing up to 45mm



Basic Depth 58.6 mm / 69.0 mm



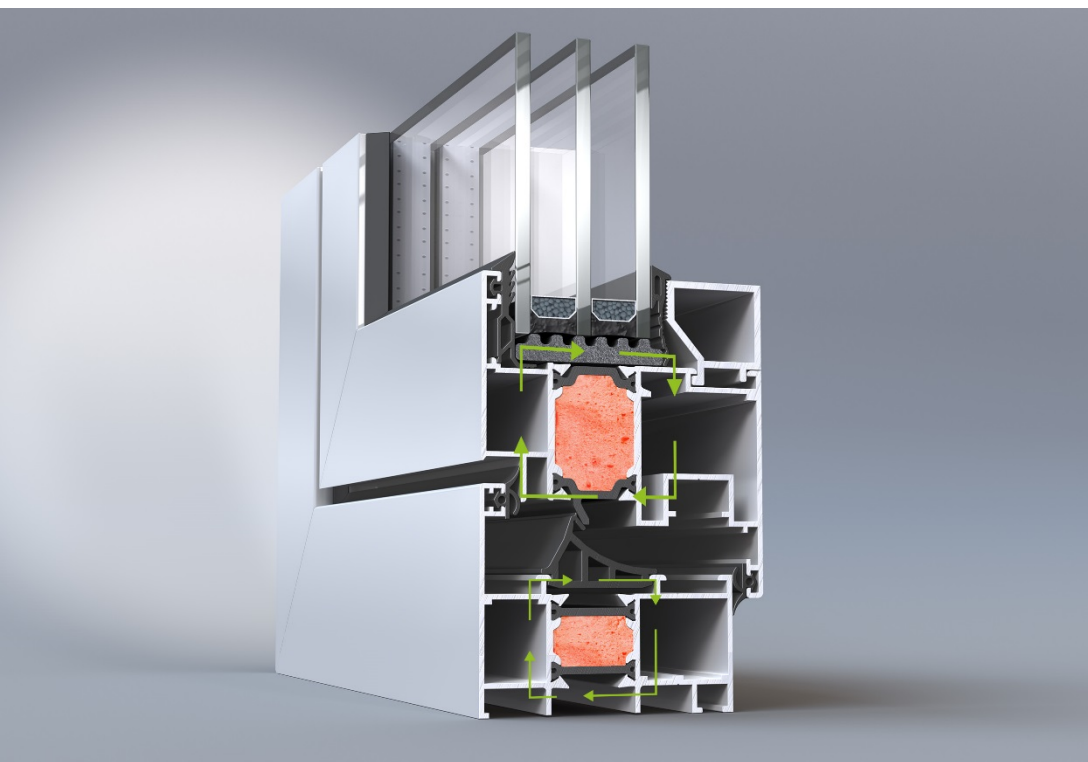
Min Face Width F-S 102.1 mm

# OPENING SYSTEMS MULTILOCK 56i<sup>2</sup> / C.E.52i<sup>2</sup>



E900

WK2



## HIGH THERMAL INSULATION

U<sub>f</sub> : **1.7-2.4** W/m<sup>2</sup>K

U<sub>W</sub>\*: **1.6** W/m<sup>2</sup>K with double glazing (U<sub>g</sub> 1.0)

U<sub>W</sub>\*: **1.3** W/m<sup>2</sup>K with triple glazing (U<sub>g</sub> 0.6)

## SECURITY

**WK2** Certified Security Level, with up to **21 locking points** around the window

\*Single Sash window 1.400mm x 1.400mm

# OPENING SYSTEMS MULTILOCK 56i<sup>2</sup> / C.E.52i<sup>2</sup>



E900

WK2



## SEALING SYSTEM

- EPDM corners for the central & **glazing gaskets**
- Optimized **EPDM specimen** to connect the Mullion Cap with the central gasket, ensuring effective water tightness

## ∞ DURABILITY FOR A LIFE TIME

| max | 2.35 m | max | 1.35 m /sash |  130 kg /sash



Glazing up to **53mm**



Basic Depth **66.9 mm / 75.2 mm**



Min Face Width F-S **108.2 mm**



# SLIDING SYSTEMS

MODERN ARCHITECTURE perceives the **outdoor space** as an extension of the **indoor living** and aims to offer to the building maximum comfort and space efficiency.



The Sliding Systems are the ideal solution to these needs. With their large glass surfaces, they offer **maximum transparency** and allow **more natural light** to penetrate the building, while giving extra freedom and flexibility in **space utilization**.

## We offer a wide range of sliding systems

- From **Inwall solutions** where the sliding sashes disappear into the wall
- **6 sashes solutions** that create huge open areas (up to 12m)
- **Lift & Slide solutions** for excellent water tightness up to **300Pa** and anti-burglar protection **WK2**
- Solutions with **Sliding Sash and a Fixed Glazing part**, where the glazing is placed directly into the frame, creating a **minimalistic look**.

# SLIDING SYSTEMS 65



AN EXCELLENT PROPOSAL for **renovations** and **hotel upgrades**. The system offers numerous construction options and has distinguished - for its category -  $U_f$  values that improve the energy performance of the building.



## THERMAL INSULATION

INWALL  $U_f$  : **1.9-2.8** W/m<sup>2</sup>K

SUCCESSIVE  $U_f$  : **3.5-4.6** W/m<sup>2</sup>K

$U_w^*$  : **1.8** W/m<sup>2</sup>K with double glazing ( $U_g$  1.0)

## DURABILITY FOR A LIFE TIME

 **2.35 m**  **2.0 m /sash**

 **80 kg / sash S** **150 kg /sash L/S**

 Glazing up to **24 mm S** **28 mm L/S**

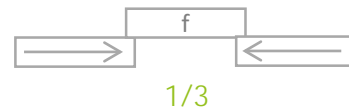
\*Double Sash Successive Construction 2.500mm x 2.100mm

# SLIDING SYSTEMS 65

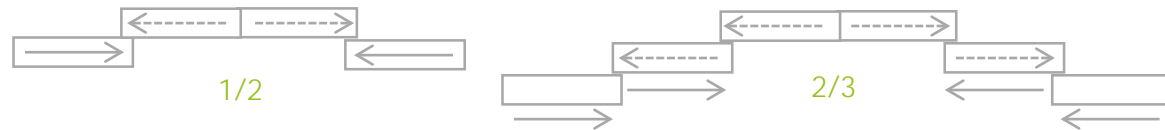


## SUCCESSIVE CONSTRUCTIONS

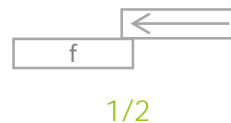
- Sliding: **2 or 3 sashes** &  
Sliding with Fly screen: **2 or 3 sashes**



- Sliding Meeting Stile: **4 or 6 sashes**



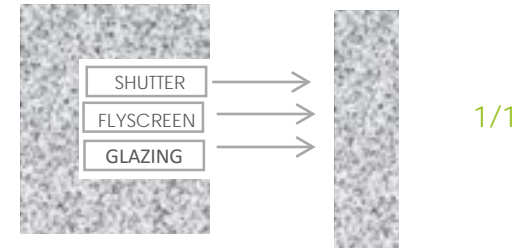
- Sliding **1 Sash** + **1 Fixed** Glazing part



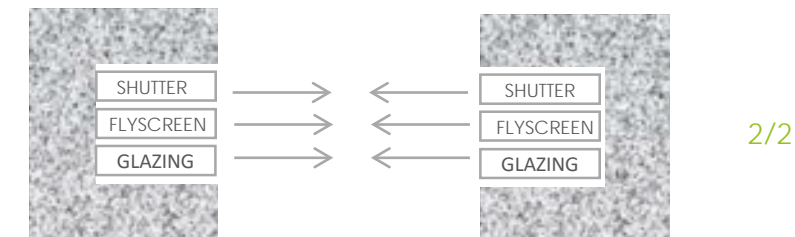
## NUMEROUS DESIGN OPTIONS

## INWALL CONSTRUCTIONS

- Sliding: **1 sash** (Glazing, Glazing-Fly screen, Glazing – Shutter, Glazing – Fly screen – Shutter) &  
Lift & Slide: **1 sash** (Glazing – Fly screen – Shutter)



- Sliding Meeting Stile: **2 sashes** (Glazing, Glazing-Fly screen, Glazing – Shutter, Glazing – Fly screen – Shutter) &  
Lift & Slide Meeting Stile: **2 sashes** (Glazing – Fly screen – Shutter)



# SLIDING SYSTEMS 65



## IDEAL FOR RENOVATIONS



- Inwall Frame Depth of only **93.3mm** (Glazing-Fly Screen-Shutter)
- **Modern** and **Linear** design aligned to the contemporary Architectural trends

Narrow Successive Mullion Width:	<b>56 mm</b> only (instead of 91.7)
Basic Sash Depth:	<b>33 mm</b>
Min. Face Width:	<b>119 mm</b>

- Optional Use of **3 mechanisms**  
(L/S 90Kg, L/S 150Kg and simple sliding)
- **Innovative design** of corner joint
- **Silent** function & **Smooth** sliding
- **Use of INOX tracks**



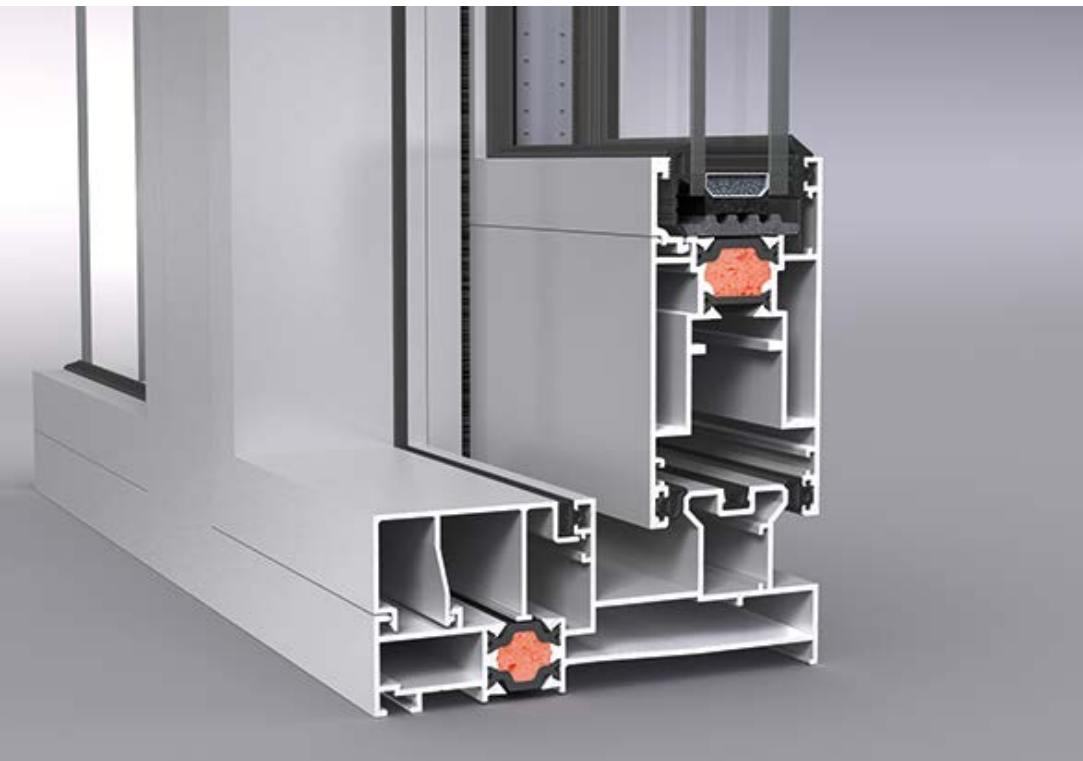
# LIFT AND SLIDE SYSTEMS 67



9Bf  
resistance

WK2

With its exceptional **WATER TIGHTNESS** performance(300Pa) & **ANTI-BURGLAR** features of WK2 level, the thermal insulation system 6700 has reasonably gained the first place in the preferences (top selling Sliding System)



## THERMAL INSULATION

INWALL  $U_f$  : 2.0-4.4 W/m<sup>2</sup>K


SUCCESSIVE  $U_f$  : 3.5-6.0 W/m<sup>2</sup>K

$U_w^*$  : 1.7 W/m<sup>2</sup>K with double glazing ( $U_g$  1.0)

## DURABILITY FOR A LIFE TIME

 2.35 m

 2.0 m /sash

 150 kg /sash

 Glazing up to 28 mm

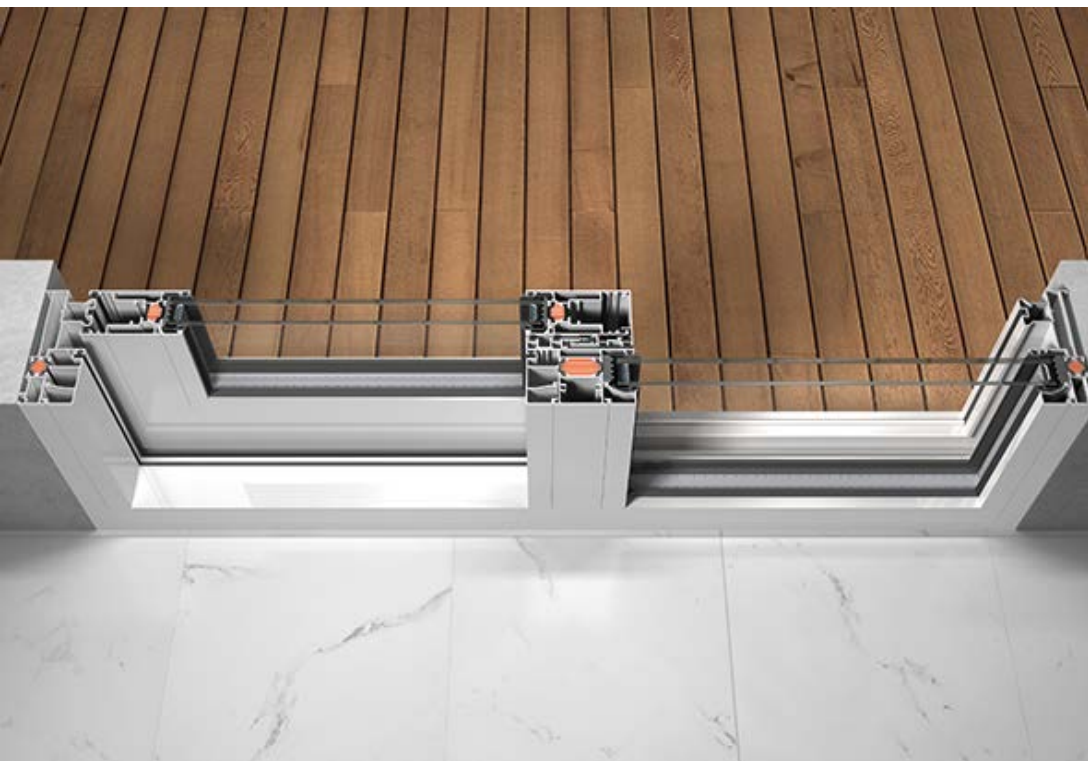
\*Double Sash Successive Construction 4.000mm x 2.350mm

# LIFT AND SLIDE SYSTEMS 67



9Bf  
resistance

WK2



- **Modern** and **Linear** design aligned to the contemporary Architectural trends

Narrow Successive Mullion Width: **56.0 mm** only (instead of 89.1)

Basic Sash Depth: **46.0 mm**

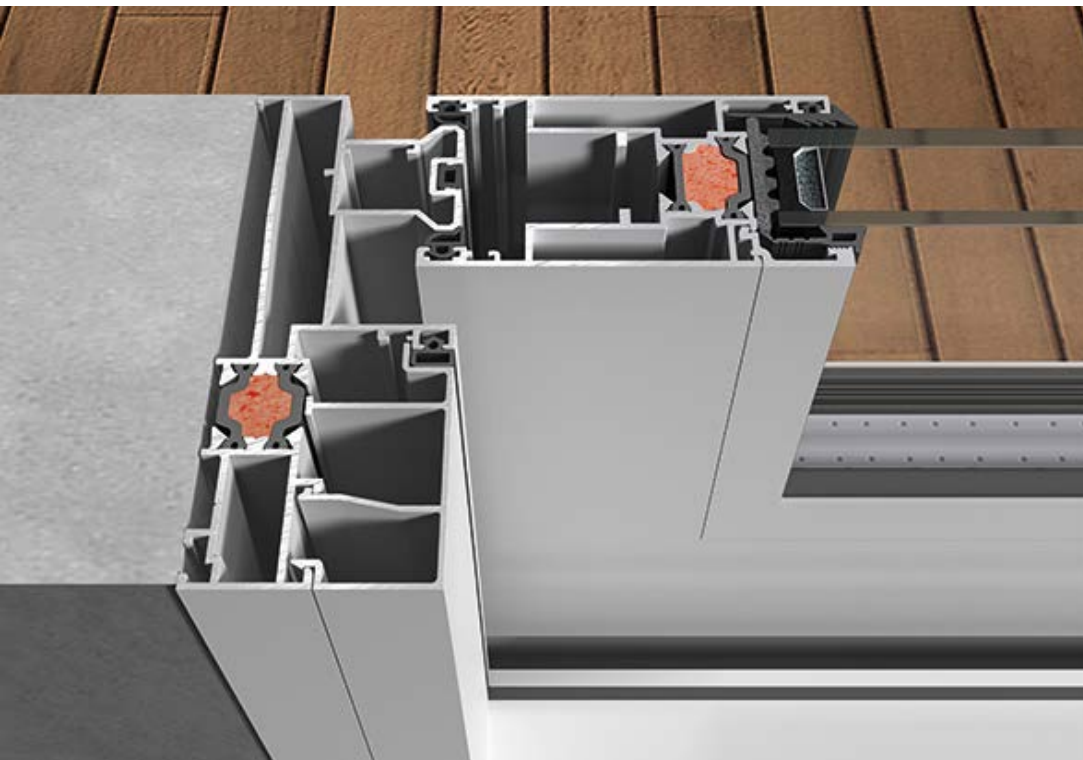
Min. Face Width: **121.8 mm**

# LIFT AND SLIDE SYSTEMS 67



9Bf  
resistance

WK2



## EXTRA FEATURES

- Water tight sealing with **EPDM gaskets** and a **complete set of innovative sealing specimens** for both Successive & Inwall constructions (in L/S edition)
- Smooth operation due to **linear alignment** of the glazing weight with the rollers
- **INOX** tracks
- Optional Use of **3 mechanisms** (L/S 90 kg, L/S 150kg and simple sliding)
- **I² Technology** can be applied on 6700 System, boosting its Energy Efficiency

# LIFT AND SLIDE SYSTEMS 67



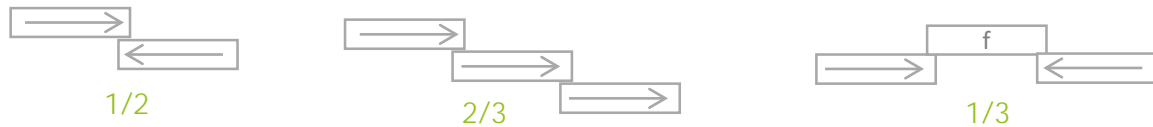
9Bf  
resistance

WK2

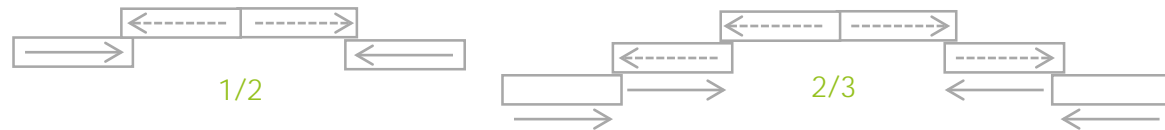
## NUMEROUS DESIGN OPTIONS

### SUCCESSIVE CONSTRUCTIONS

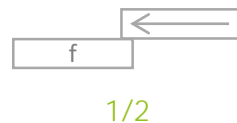
- Sliding or L/S : **2 or 3 sashes** &  
Sliding or L/S with Fly screen: **2 or 3 sashes**



- Sliding or L/S Meeting Stile: **4 or 6 sashes**

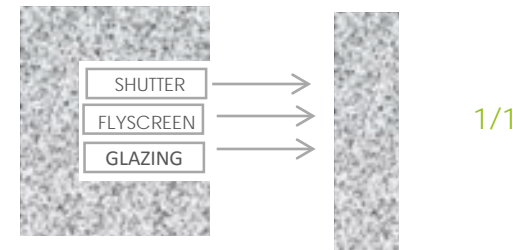


- Sliding or L/S **1 Sash** + **1 Fixed** Glazing part  
Sliding or L/S with Fly screen **1 Sash** + **1 Fixed** Glazing part

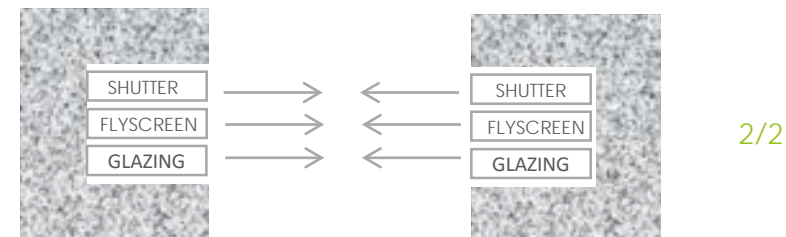


### INWALL CONSTRUCTIONS

- Sliding or L/S : **1 sash** (Glazing, Glazing-Fly screen, Glazing – Shutter, Glazing – Fly screen – Shutter)



- Sliding or L/S Meeting Stile: **2 sashes** (Glazing, Glazing-Fly screen, Glazing – Shutter, Glazing – Fly screen – Shutter)



# LIFT AND SLIDE SYSTEMS 67



9Bf  
resistance

WK2



IDEAL FOR HOTELS & PUBLIC BUILDINGS

- **Special edition:** Combination of fixed glazing with sliding sash or lift & slide sash, with significant **cost reduction up to 50%**.

# LIFT AND SLIDE SYSTEMS OPTIMUM 68



## THERMAL INSULATION

Uf : **4.1-6.0** W/m<sup>2</sup>K

UW\*: **1.7** W/m<sup>2</sup>K with double glazing (Ug 1.0)

UW\*: **1.3** W/m<sup>2</sup>K with triple glazing (Ug 0.6)

## DURABILITY FOR A LIFE TIME

| max | **2.75 m**

| max | **3.0 m /sash**

 **300 kg /sash**

 Glazing up to **44 mm**

## SOUND REDUCTION

**Certified 41Db Sound Reduction**

\*Double Sash Successive Construction 6.000mm x 2.750mm



# LIFT AND SLIDE SYSTEMS OPTIMUM 68



## IDEAL FOR BIG OPENINGS

- Option of **Electro motion** with remote control
- Offers **Ergonomics**
- **Silent** Function
- **Easy** use and **smooth** sliding
- **Solid** Construction
- **Modern, linear** Design
- Use of **INOX tracks**
- **Innovative** central sealing and hook sealing
- **Special Edition available with Sliding Sash and a Fixed Glazing part, where the glazing is placed directly into the frame, creating a minimalistic look.**

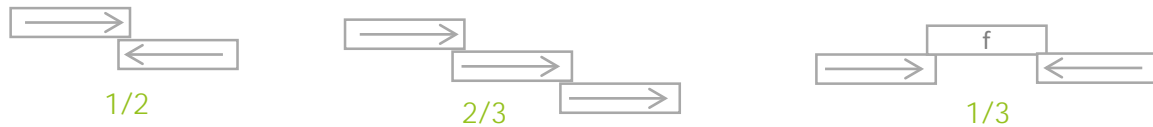
# LIFT AND SLIDE SYSTEMS OPTIMUM 68



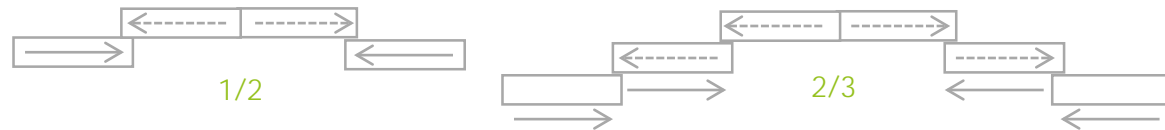
## NUMEROUS DESIGN OPTIONS

### SUCCESSIVE CONSTRUCTIONS

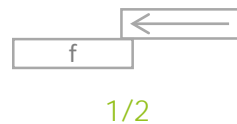
- L/S : 2 or 3 sashes &  
L/S with Fly screen: 2 or 3 sashes



- L/S Meeting Stile: 4 or 6 sashes

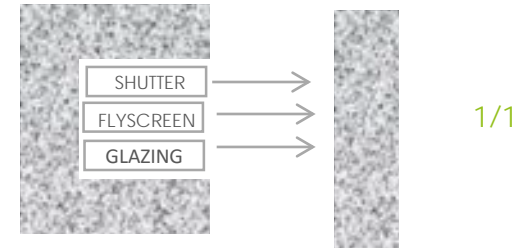


- L/S 1 Sash + 1 Fixed Glazing part

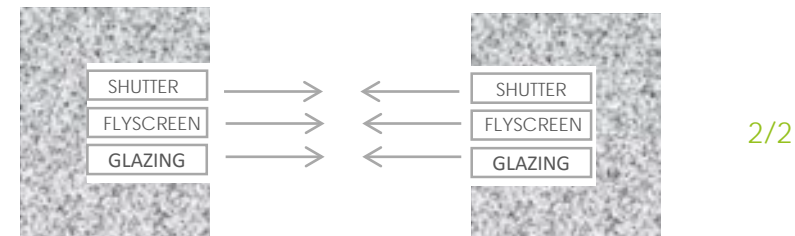


### INWALL CONSTRUCTIONS

- L/S : 1 sash (Glazing, Glazing-Fly screen, Glazing – Shutter, Glazing – Fly screen – Shutter)



- L/S Meeting Stile: 2 sashes (Glazing, Glazing-Fly screen, Glazing – Shutter, Glazing – Fly screen – Shutter)







*The*

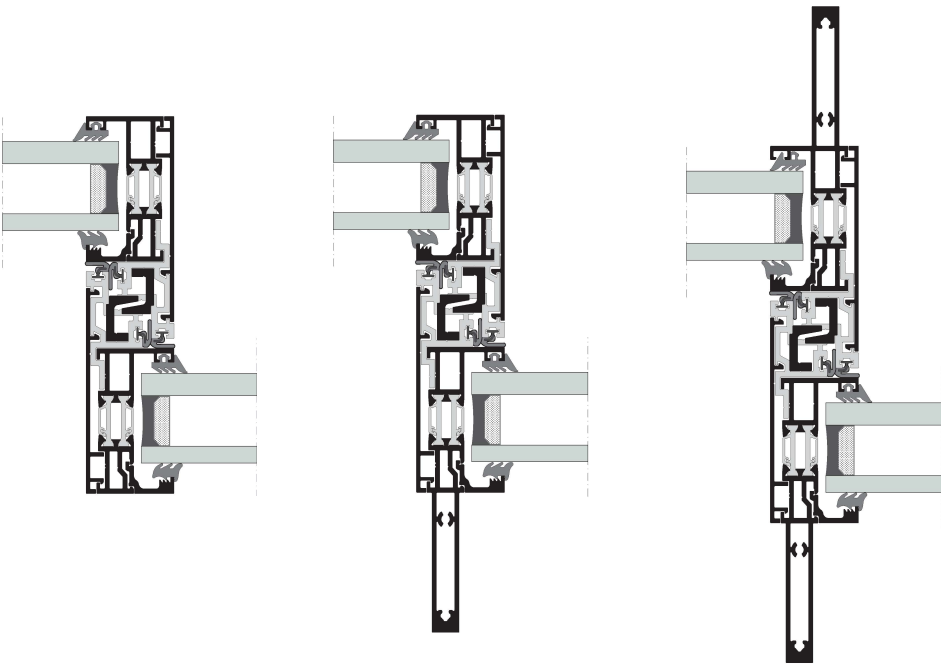
# MINIMAL Look SYSTEM

Free your imagination and transform a typical sliding system into a unique experience.

The Minimalist  
DESIGN

Double or Triple Successive

3 design variants are developed for the middle vertical mullion, depending on the static needs of the project. All of them follow a gentle linear design, of only 35mm width.



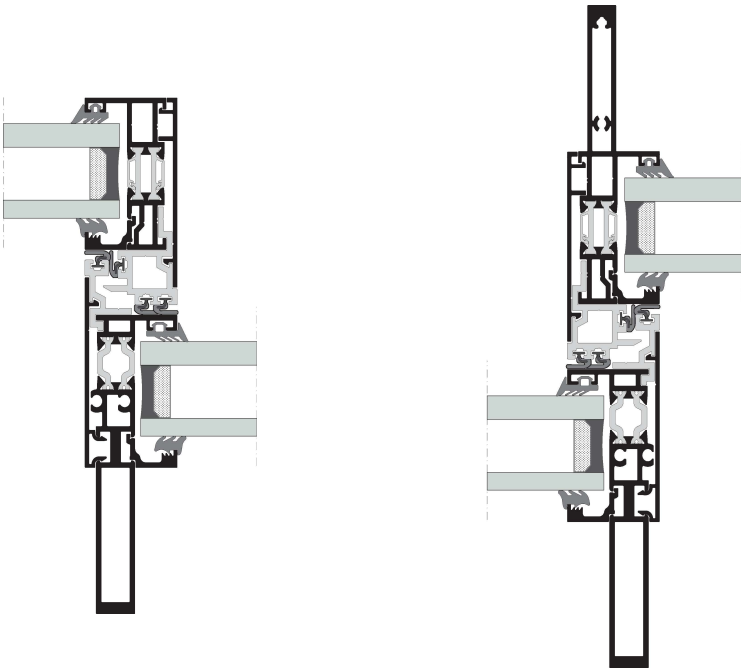
Standard Vertical Mullion [ H < 1.500 ]

Inside Reinforced Vertical Mullion

Inside + Outside Reinforced Vertical Mullion

Sliding Sash with Fixed

2 design variants are developed for the middle vertical mullion, depending on the static needs of the project. All of them follow a gentle linear design, of only 35mm width.

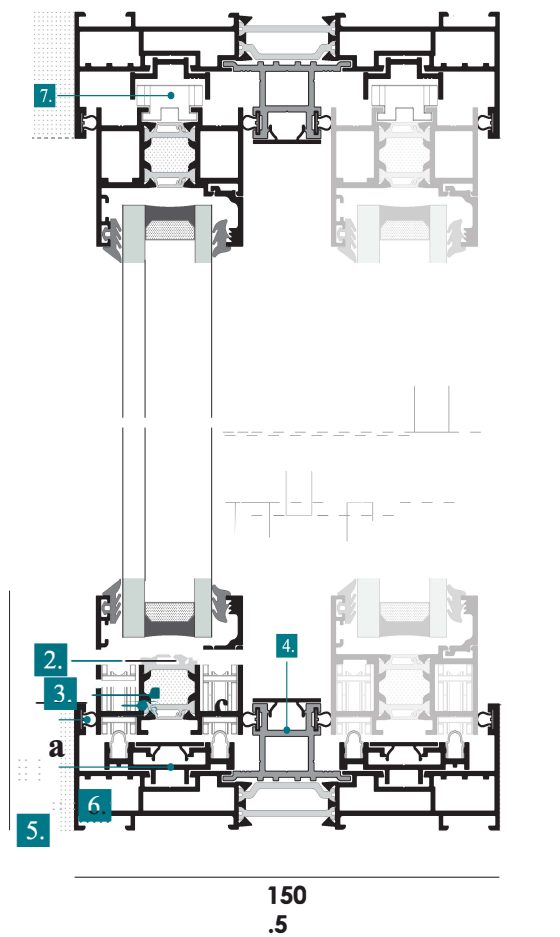


Inside Reinforced Vertical Mullion

Inside + Outside Reinforced Vertical Mullion

The Minimalist

# TECHNOLOGY

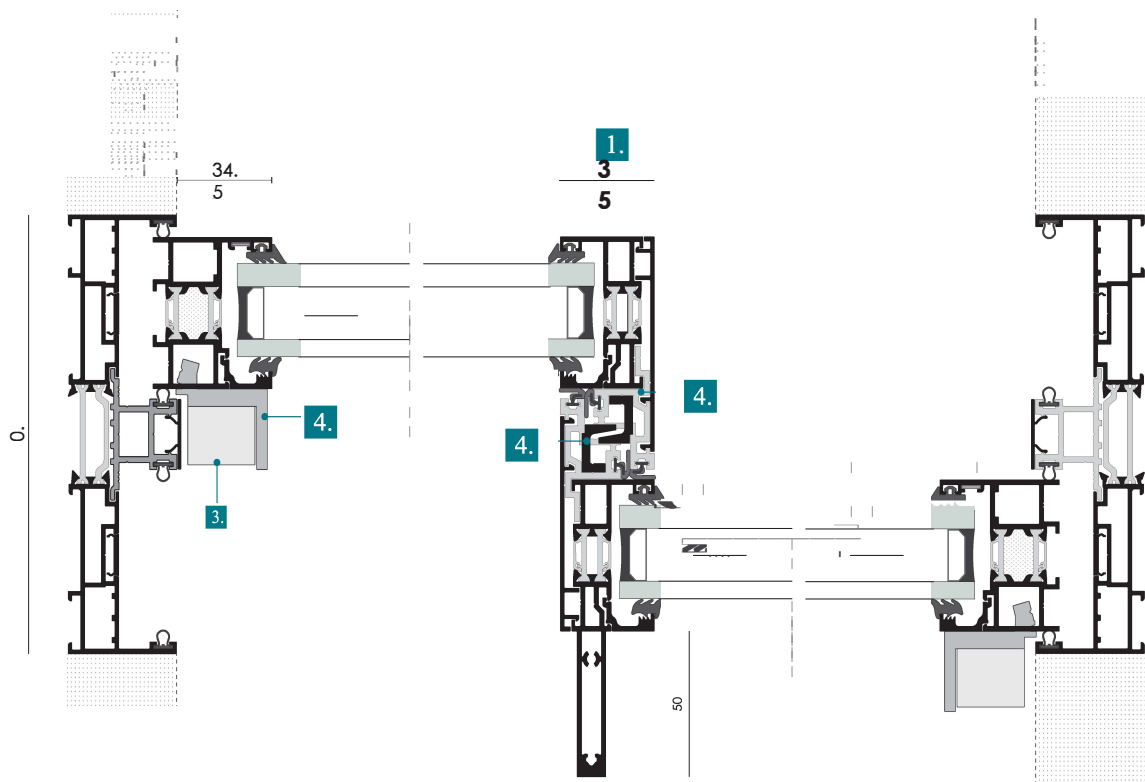


Indicative  
Vertical Section

1. Minimal Visible Height of only 34.5mm in the integrated version and 75mm in the standard version.
2. Anti-distortion polyamides on all sashes, that minimize the banana effect and ensure excellent operation even when temperature difference on aluminium surface exceeds 40°C.
3. Linear square geometry of sash, standing on 2 roller sets, for optimized weight distribution and solid construction.
4. Optimization of system's thermal performance via customized insulating bar in the central area of the frame.
5. Add-on aluminium track for inox guides, offering extra easiness and speed in construction.
6. Q-Ion or Special brushes are used, addressing the peculiar issue of effective weather sealing in sliding systems.
7. Optional entry guide accessory, recommended for large openings.

The Minimalist

# TECHNOLOGY



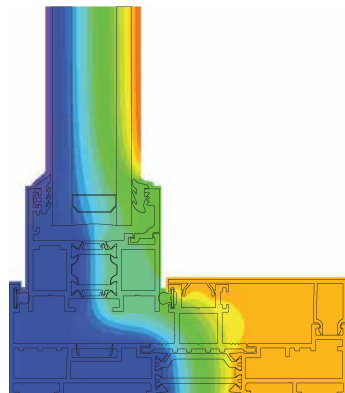
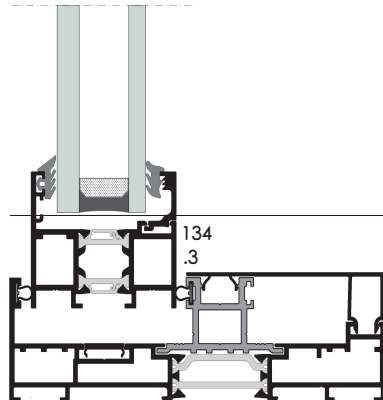
Indicative Horizontal  
Section

1. Minimal Visible Face  
Width of only 35mm.
2. Customized Multi-Point Locking device,  
offering superior level of security.
3. Customized  
Locking Handle.
4. Aluminium Handle, with  
gentle linear shape.
5. Aluminium Fixing Accessory,  
increasing middle mullion's stability.
6. Specially designed labyrinth for  
Maximum Energy Efficiency.

The Minimalist

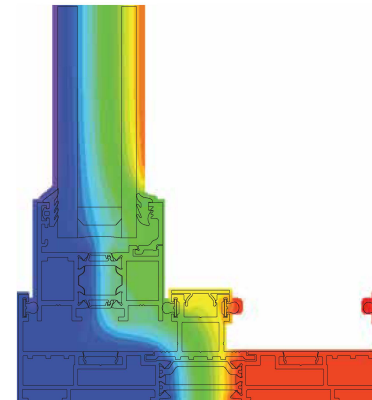
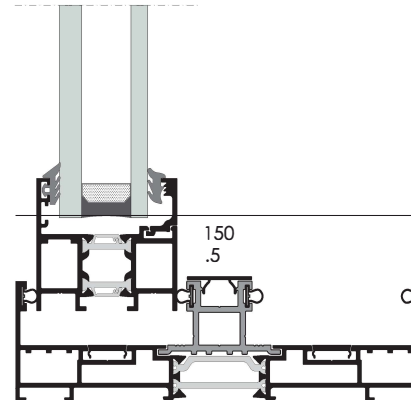
# ENERGY PERFORMANCE

*Excellent Isothermal Curves are achieved, in MINIMAL Look system.*



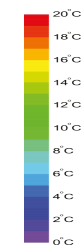
Sliding and Fixed  
Construction

$U_f = 3,4 \text{ W/m}^2\text{K}$



Double  
Successive

$U_f = 3,5 \text{ W/m}^2\text{K}$



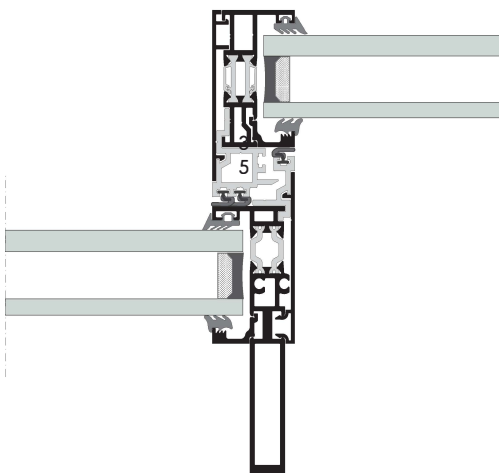
$U_w = 0,9 - 1,7 \text{ W/m}^2\text{K}$

depending  
on  $U_g$

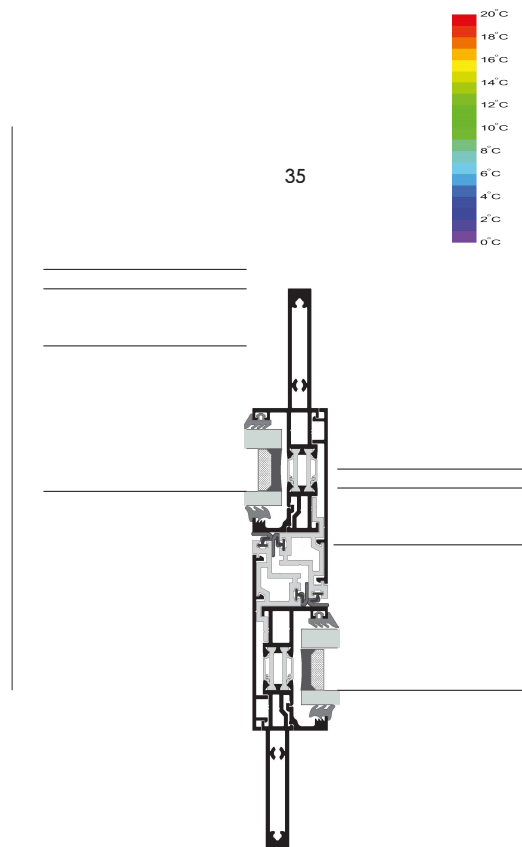
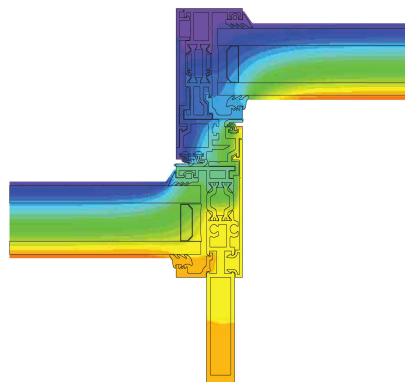
The Minimalist

# ENERGY PERFORMANCE

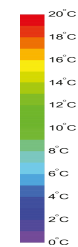
Excellent Isothermal Curves are achieved, in MINIMAL Look System.



Sliding and Fixed  
Construction

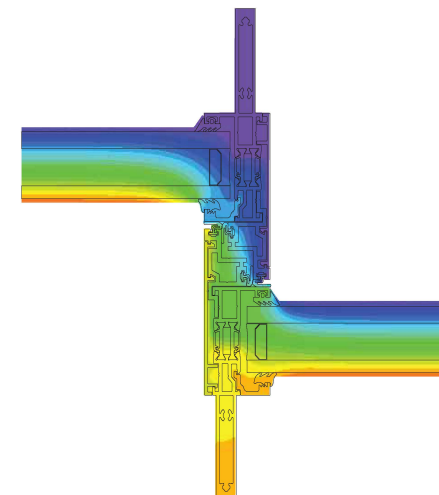


Double  
Successive



depending on  $U_g$

$U_w = 0,9 - 1,7 \text{ W/m}^2\text{K}$





# MAIN ENTRANCES 80



## THERMAL INSULATION

Uf : **2.3** w/m<sup>2</sup>K

## SECURITY

Multiple Locking Points & tubular glazing clips

## DURABILITY FOR A LIFETIME

HH: | max | **2.55 m** | max | **1.45m** /sash  **150 kg** /sash

T4: | max | **2.35 m** | max | **1.40m** /sash  **220 kg** /sash

 Panel / Glazing up to **46mm**

## ADVANCED SEALING SYSTEM

Automatic windbreak and threshold

# MAIN ENTRANCES XCLUSIVE 88i<sup>2</sup>



RC3



## New Class of Main Entrance

The NEW Entrance System XCLUSIVE 88i<sup>2</sup> sets new standards in **Energy Efficient Doors** with a **basic depth of only 77mm.**



## OUTSTANDING THERMAL INSULATION

U<sub>f</sub> : > **1.69** W/m<sup>2</sup>K

U<sub>d</sub>\*: **1.20** W/m<sup>2</sup>K with panel filling 28 mm (Up 1.0)

U<sub>d</sub>\*: **0.95** W/m<sup>2</sup>K with panel filling 77 mm (Up 0.6)



## SECURITY

**Certified RC3 (WK3) Security Level** thanks to its compatibility with wide range of security and anti-burglar locks.

Compatible with electronic access control systems.

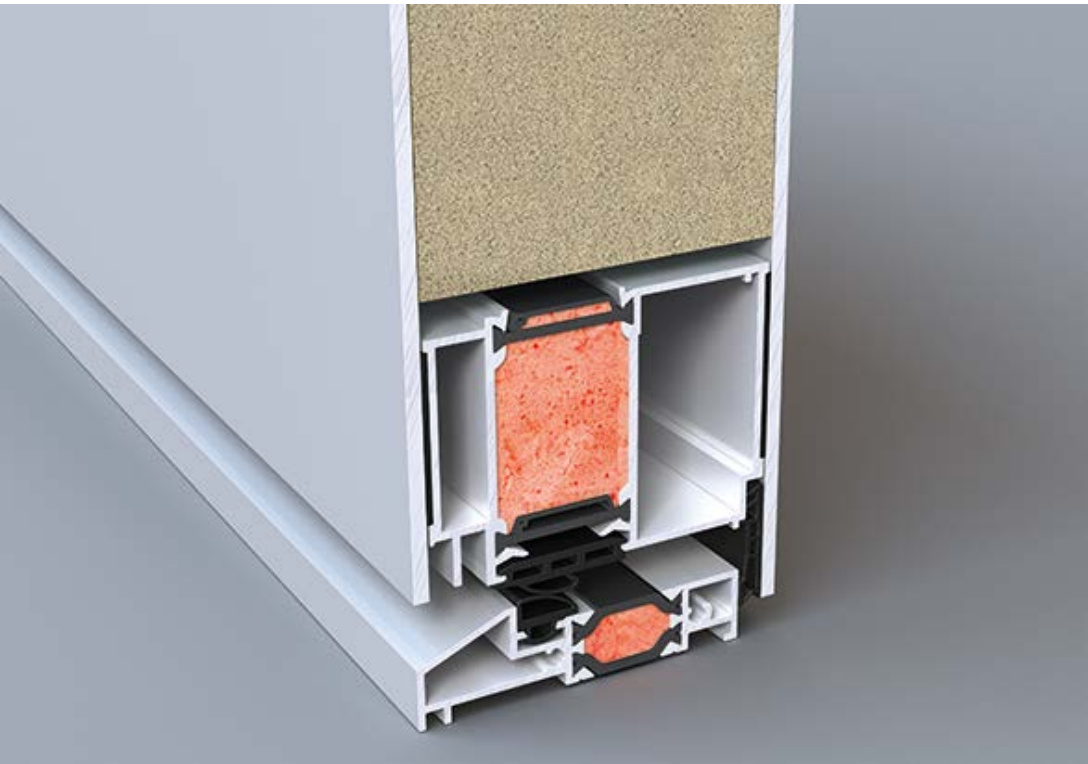
\*Single Sash Door 2.500mm x 1.350mm

# MAIN ENTRANCES XCLUSIVE 88i<sup>2</sup>



RC3

**New Class** of Main Entrance



## EXCELLENT SEALING SYSTEM

- **3 Level Sealing System** with EPDM gaskets and **continuous central gaskets** on Sash, Frame and Threshold
- **EPDM corners** for both central gaskets and the outer glazing gasket
- Innovative **Mullion End Cap made of TPV** material, sealing perfectly onto the profile, ensuring excellent water tightness

# MAIN ENTRANCES XCLUSIVE 88i<sup>2</sup>



RC3

## New Class of Main Entrance



### EXTRA FEATURES

- **Anti-distortion** glass fiber **polyamides** used on ALL sash profiles, in order to avoid the malfunctions caused by the profile expansion and contraction due to extreme temperature changes.
- **Easy-access** threshold of 20mm.
- Option of **automatic wind break**.
- Optional use of various hinges (**hidden hinge**, **external heavy duty hinge**).
- Locking System: **Locks "U" type** 24x6mm .
- Customized **Dr.Hann Rollenband hinges** available, in addition to external and concealed ones.



# MAIN ENTRANCES XCLUSIVE 88i<sup>2</sup>



RC3

## New Class of Main Entrance



### EXTRA DESIGN FREEDOM

- The XCLUSIVE 88i<sup>2</sup> system offers EXTRA freedom in designing **upgraded face-fitted door** constructions that add value on the building's image
- **Inward**-opening and **Outward**-opening versions are available in **ALL** typologies:
  - Single sash doors
  - Double sash doors
  - With **fixed parts** and/or with **skylight**
- **Leaf-enclosing infills** are available on one side or both sides of the sash

# MAIN ENTRANCES XCLUSIVE 88i<sup>2</sup>



RC3

## New Class of Main Entrance



- **Modern** and **Linear** design aligned to the contemporary Architectural trends

Basic Frame Depth:	77.0 mm only
Basic Sash Depth :	77.0 mm
Min. Face Width F-S :	141.2 mm
Min. T Width :	82.0 mm

The XCLUSIVE 88i<sup>2</sup> is **compatible with** Opening systems XCLUSIVE 85i<sup>2</sup>/86i<sup>2</sup>

## ∞ DURABILITY FOR A LIFETIME

HH: | max | 2.55 m | max | 1.45m /sash |  150 kg /sash

T4: | max | 2.35 m | max | 1.40m /sash |  220 kg /sash

 Glazing up to 60mm Panel up to 77mm



ALUMINIUM IS  
OUR BUSINESS  
MAKING LIFE BETTER  
IS OUR PASSION

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[www.schonehomes.com](http://www.schonehomes.com)

email: [john@schonehomes.com](mailto:john@schonehomes.com)

