

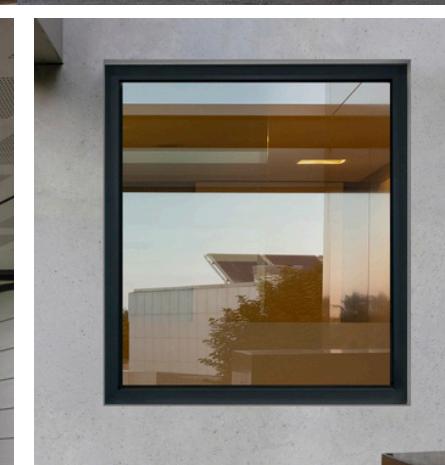
# AWE ALUMINIUM PRODUCTS



Discover Our Range

01792582678

[Sales@awealuminium.co.uk](mailto:Sales@awealuminium.co.uk)





**BI-FOLD SYSTEM**

# BI-FOLD

## SYSTEM

**Sightline** Frame 73 mm, Sash 73 mm

**Polyamide strip length**

Frame 20 mm

Sash 30 mm

**Profile thickness**

Door 1.8 mm

**Glazing**

Max. 45 mm, Min. 25 mm

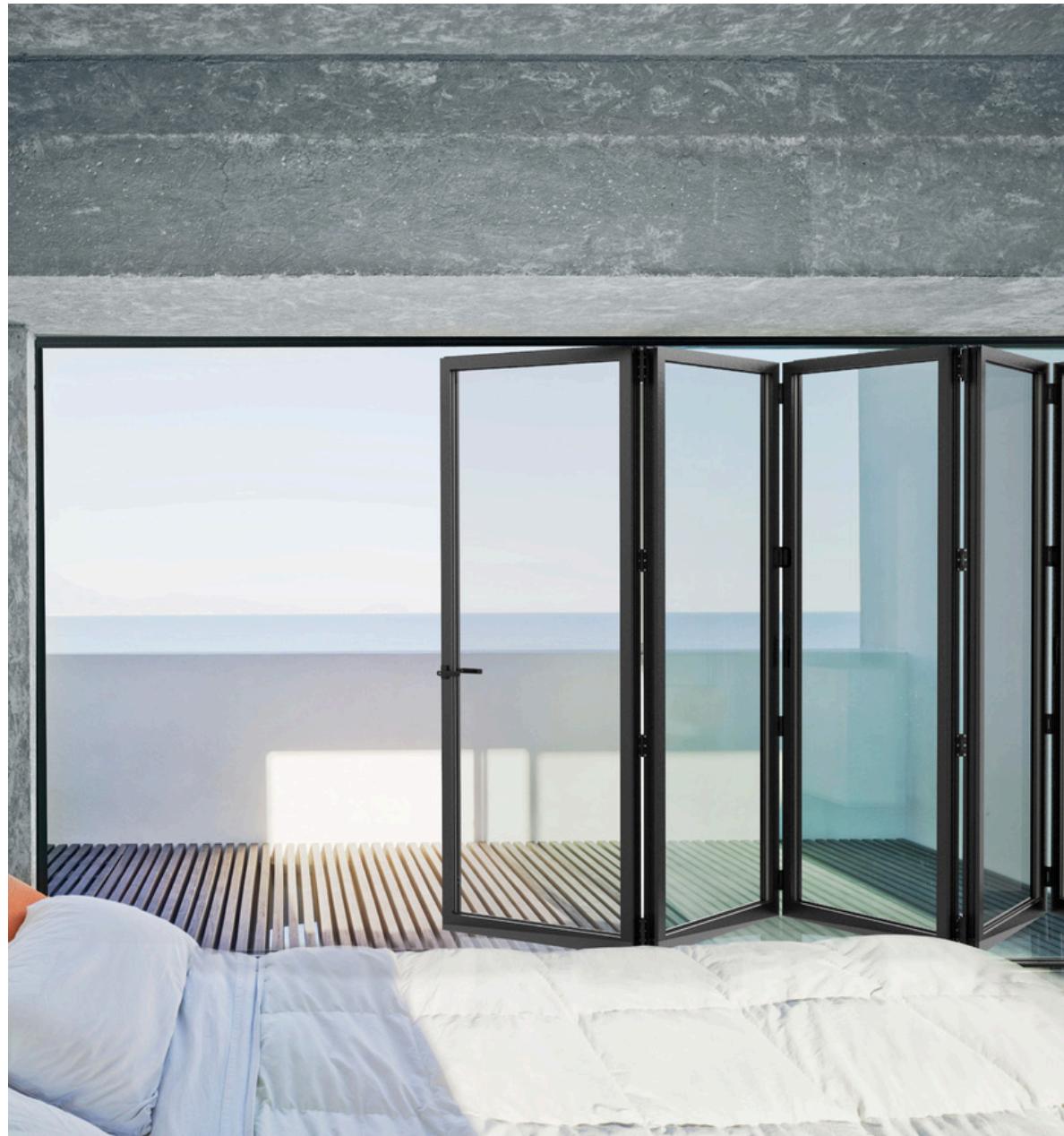
**Maximum sash dimensions**

Width (L) 1,200 mm, Height (H) 3,000 mm

**Maximum sash weight**

120 kg

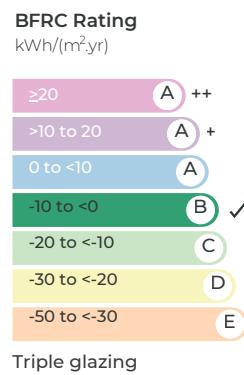
Consult maximum weight and dimensions according to typologies





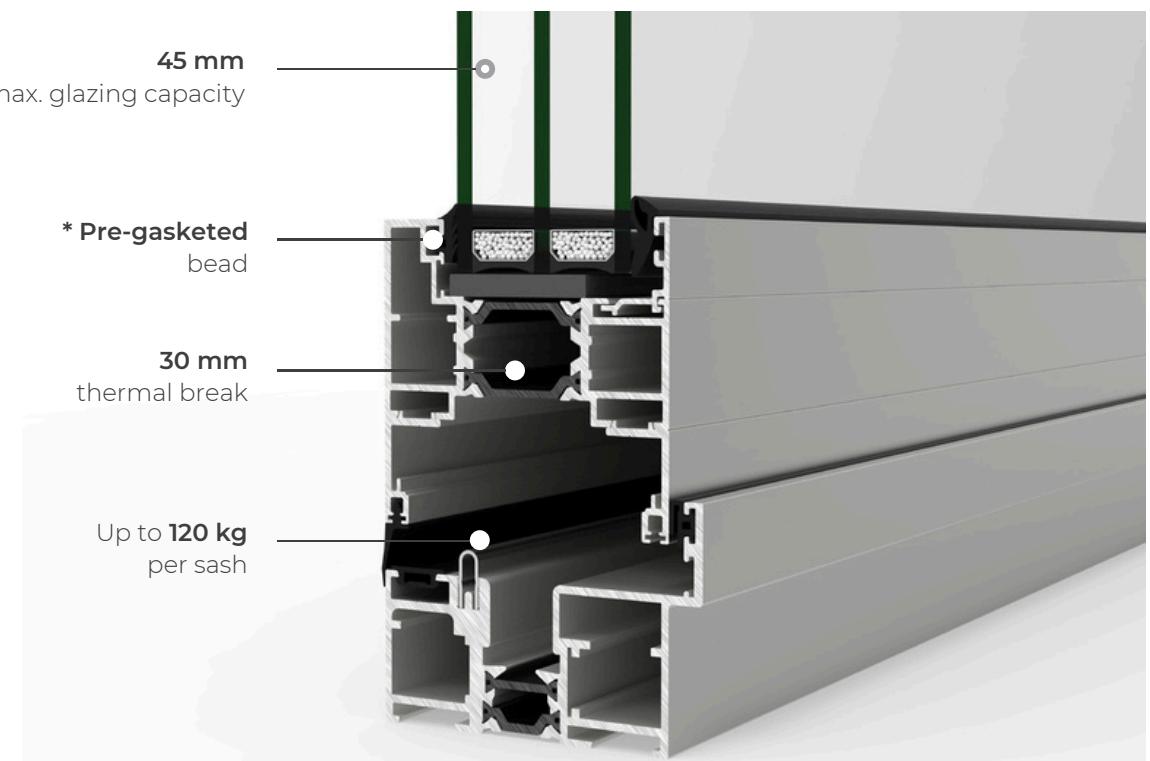
**AWE**  
**ALUMINIUM**

- Maximum sizes 1,200 x 3,000 mm
- Open corner solution
- Up to 14 sashes
- Adjustable jamb available
- High security



Bi-fold door system with 73 mm of frame depth and optimal thermal and acoustic performances, ideal for moderate climates.

**PAS24**



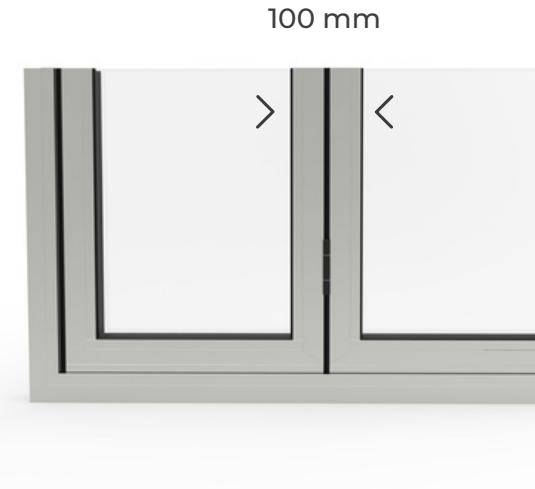
\* Available for 24 and 28 mm glazing only



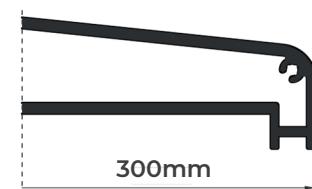
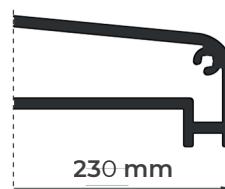
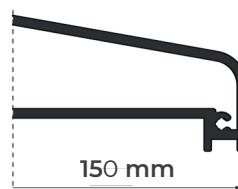
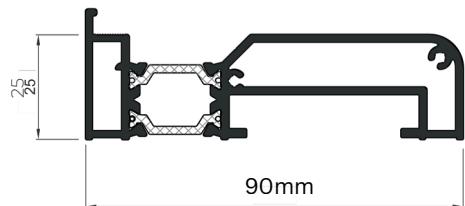
## FEATURES

U-value		Double glazing * $U \leq 1.4 \text{ (W/m}^2\text{K)}$	Triple glazing * $U \leq 1.0 \text{ (W/m}^2\text{K)}$
Air permeability			Class 4
Watertightness			Class 9A
Wind resistance			Class A3
Security test		PAS24	Passed

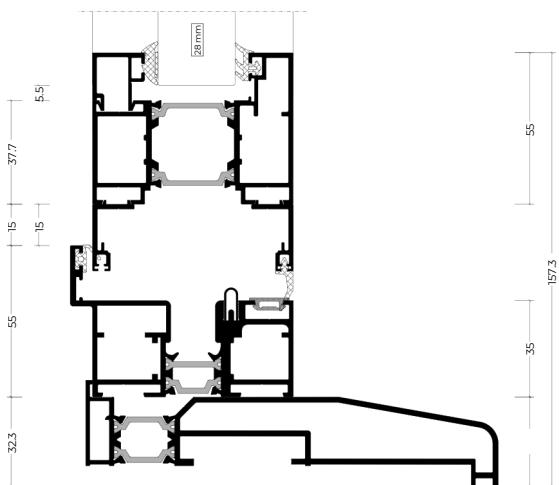
\* Double glazing  $U_g = 1.0$  / Triple glazing  $U_g = 0.5$  Wind resistance: reference test 2.700 x 2.530 m / 3 sashes Security test: Configuration 330.2701 x 2517 mm / 3 sashes



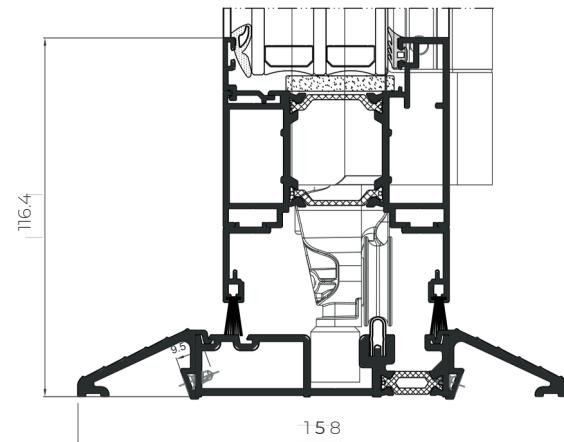
## DRAINAGE SUBCILLS



## FRAME

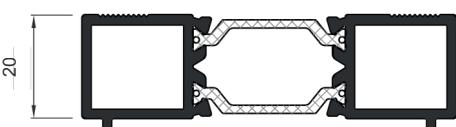


## THRESHOLD

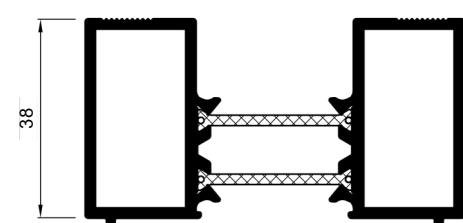


## HEAD EXTENSION

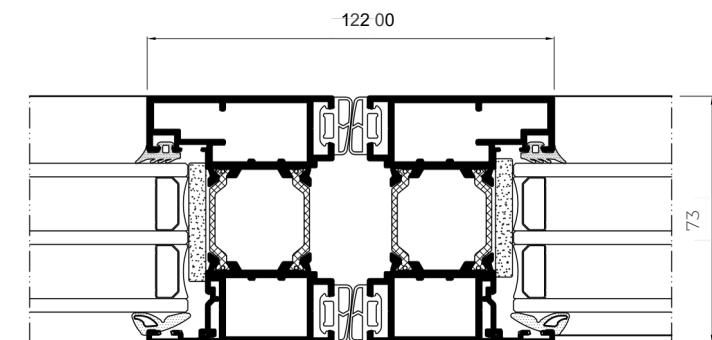
### Head extension 20 mm



### Head extension 38 mm



## SLIM SIGHTLINES



## OPENING POSSIBILITIES



Inward  
Up to 14 sashes

Outward  
Up to 14 sashes  
90° corner sash without mullion

## POSSIBILITIES



SECURITY  
HARDWARE



ACCESSIBILITY



**BI-FOLD PLUS** SYSTEM

# BI-FOLD PLUS

SYSTEM

---

**Sightline** Jamb 89 mm, Meeting Stile 110 mm

**Polyamide strip length**

Frame 45 mm

Sash 45 mm

**Profile thickness**

Door 1.8 mm

**Glazing**

Max. 48 mm, Min. 25 mm

**Maximum sash dimensions**

Width (L) 1,200 mm, Height (H) 3,000 mm

**Maximum sash weight**

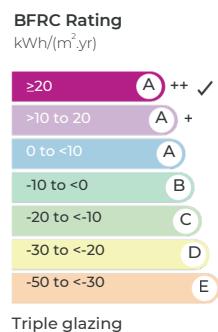
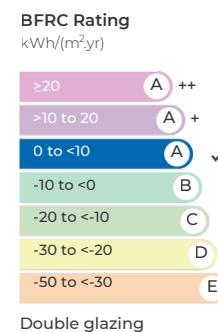
120 kg

Consult maximum weight and dimensions according to typologies

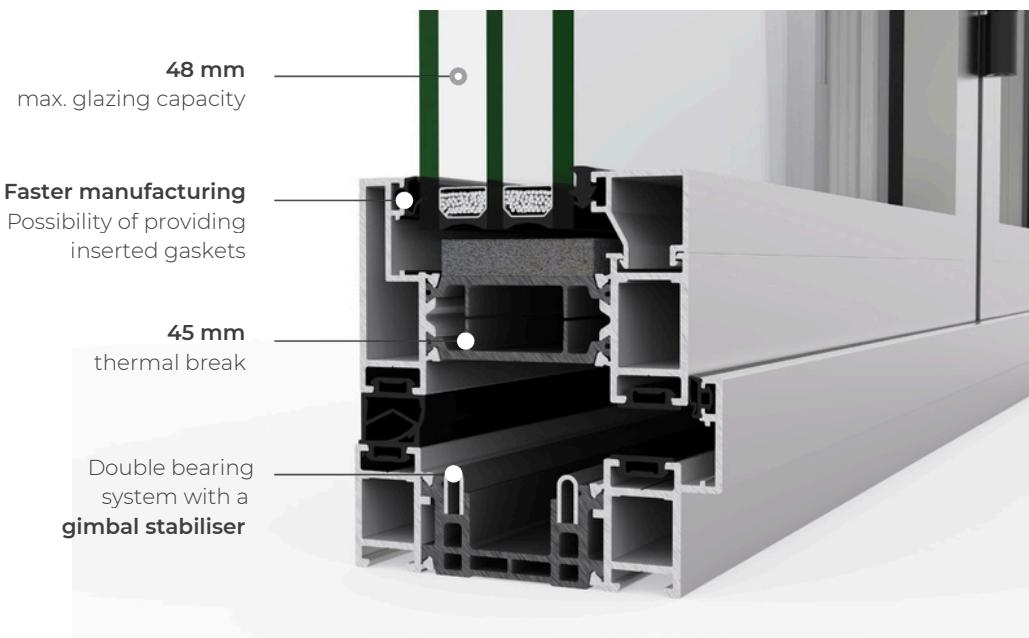




- High thermal & acoustic performance
- Maximized glazed surface
- Double bearing system with a gimbal stabiliser
- Faster manufacturing
- High security



Separate environments and unify spaces with this Bi-fold door system with an 80 mm deep frame. This evolution of the Bi-fold series offers an excellent thermal and acoustic performance, thanks to its 45 mm thermal break and a glazing capacity up to 48 mm. Besides, it presents a slim central section of 110 mm, which maximizes the glazed surface, filling the interior spaces with natural light.





## FEATURES

U-value		Double glazing* $U \geq 1.2 \text{ (W/m}^2\text{K)}$	Triple glazing * $U \geq 0.78 \text{ (W/m}^2\text{K)}$
Air permeability			Class 4
Watertightness			Class E750
Wind resistance			Class C3
Repeated openings and closings		50,000 cycles (Main swing door)	25,000 cycles (Even sashes)
Security test		Passed	

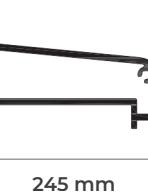
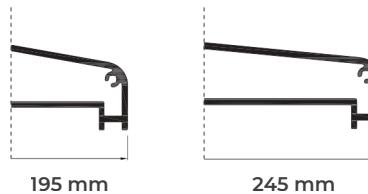
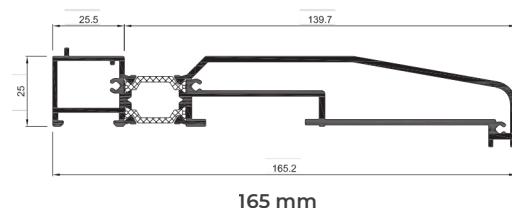
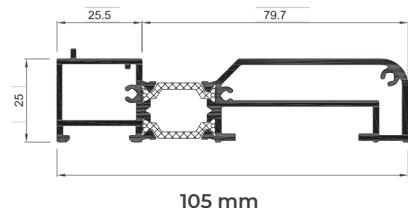
\* Double glazing  $U_g=1.0$  / Triple glazing  $U_g=0.5$

110 mm



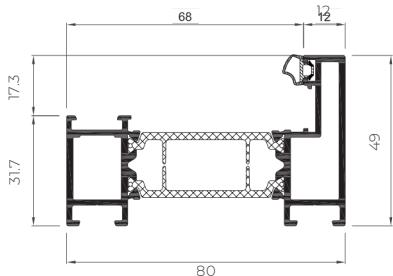
Security test: 3 sashes reference test. Configuration 321 2.70 x 2.50 m  
AWW TEST. Resistance to repeated openings and closings: EN 1191, 3 sashes reference test.  
Configuration 321 3.73 x 2.50 m

### DRAINAGE SUBCILLS

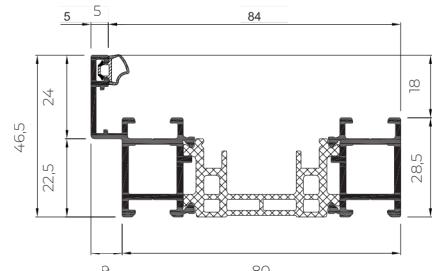


### PROFILES WITH INSERTED GASKET

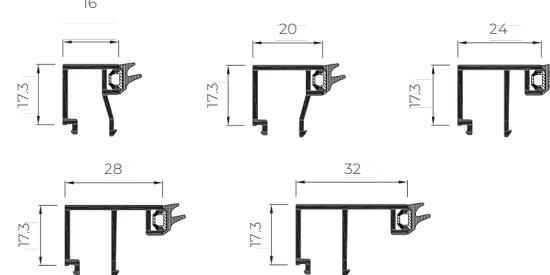
#### Sash



#### Outer Frame

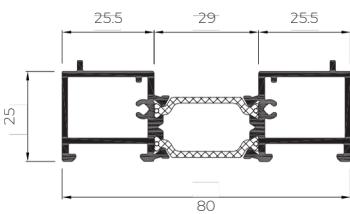


#### Glazing beads

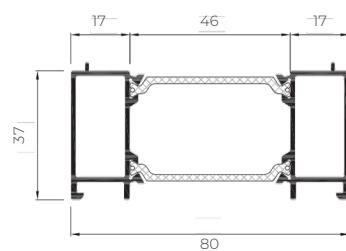


### HEAD EXTENSION

#### Head extension 25 mm



#### Head extension 37 mm



### OPENING POSSIBILITIES



Inward  
Up to 14 sashes

Outward  
Up to 14 sashes  
90° corner sash without mullion

### POSSIBILITIES



SECURITY  
HARDWARE



ACCESSIBILITY



CASEMENT SYSTEM

# CASEMENT

## SYSTEM

---

### Sightlines

Frame 70 mm, Sash 70 mm

### Polyamide strip length

32 mm

### Profile thickness

Window 1.6 mm

### Glazing

Max. 44 mm, Min. 23 mm

### Maximum sash dimensions

#### Slim sash (Side hung):

Width (L) 950 mm, Height (H) 1,300 mm

#### Slim sash (Top hung):

Width (L) 1,200 mm, Height (H) 1,300 mm

#### Heavy Duty sash (Side hung):

Width (L) 750 mm, Height (H) 1,750 mm

#### Heavy Duty sash (Top hung):

Width (L) 1,800 mm, Height (H) 1,800 mm

### Maximum sash weight

Side Hung Slim Sash: 35 kg

Top Hung Slim Sash: 50 kg

Side Hung Heavy Duty Sash: 42 kg

Top Hung Heavy Duty Sash: 100 kg

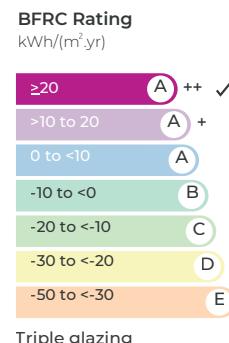
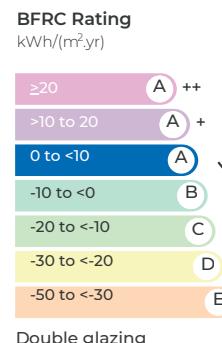
Consult maximum weight and dimensions according to typologies





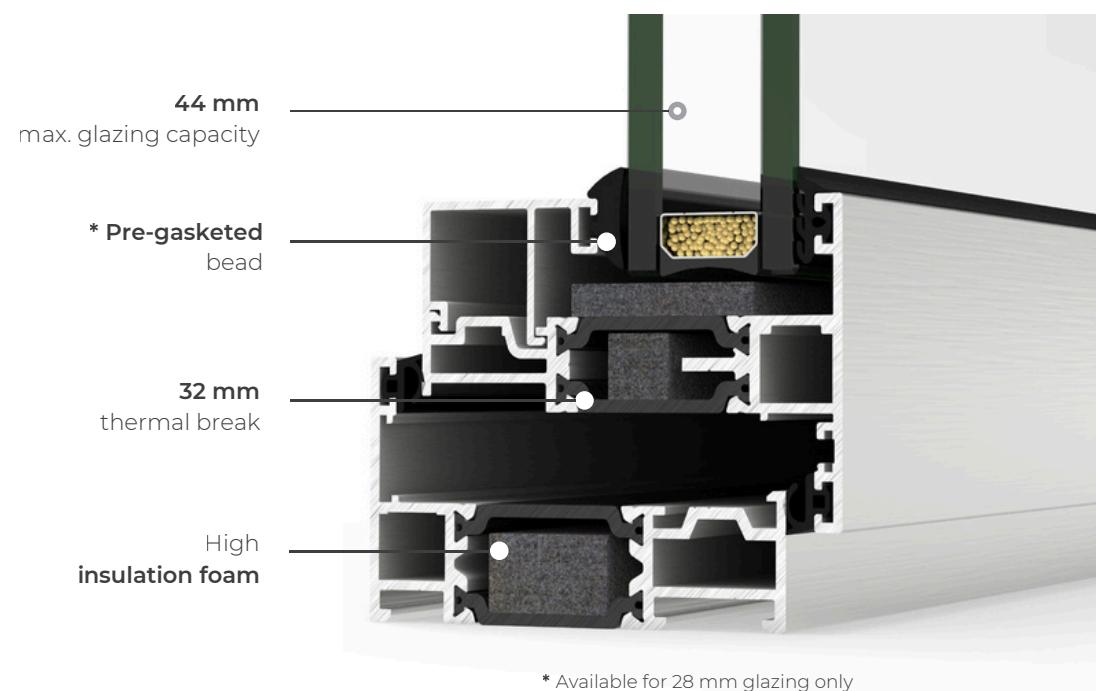
**AWE**  
**ALUMINIUM**

- High thermal & acoustic performance
- Slim sightlines
- Flush option available
- High security



Thermally broken window that allows for both side hung and top hung outward openings. This solution, with a thermal break zone of 32 mm and a transmittance  $U_w$  from 1.0 W/m<sup>2</sup>K, has the British security certification PAS 24, being especially suitable for this market.

**PAS24** ✓





## FEATURES

U-value		Double glazing * $U_w \geq 1.4 \text{ (W/m}^2\text{K)}$	Triple glazing * $U_w \geq 1.0 \text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up to 45 dB	
Air permeability		Class 4	
Watertightness		Class E1200	
Wind resistance		Class CE 2400	
Security test		Passed	

\* Double glazing  $U_g=1.0$  / Triple glazing  $U_g=0.5$

Security test: Reference test 1.438 x 1.33 m / 1 sash

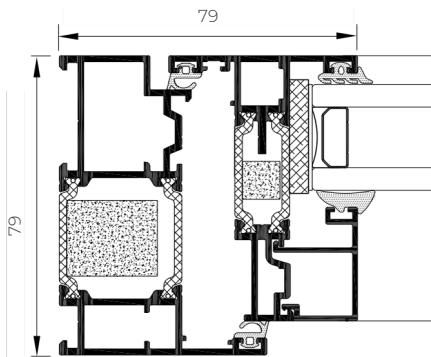


Flush version

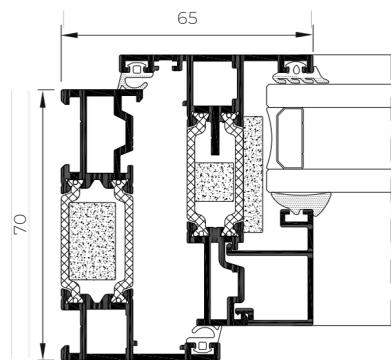


Standard version

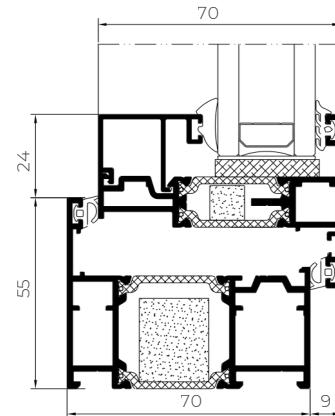
### FLUSH VERSION



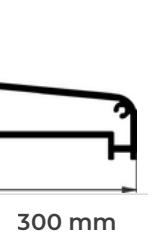
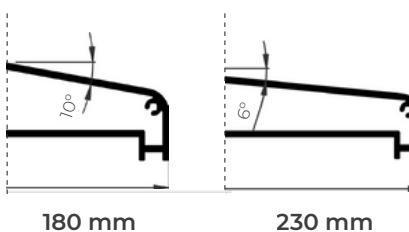
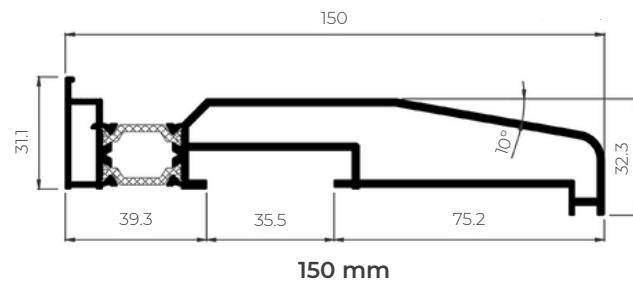
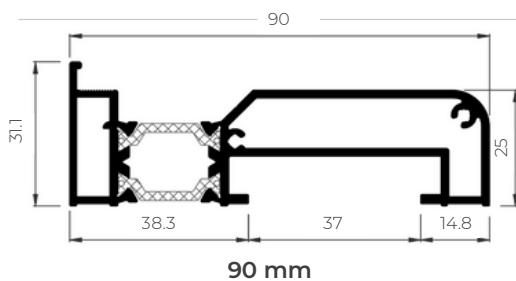
### STANDARD VERSION



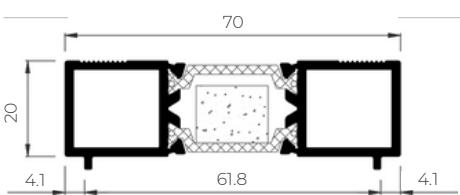
### HIGH FRAME



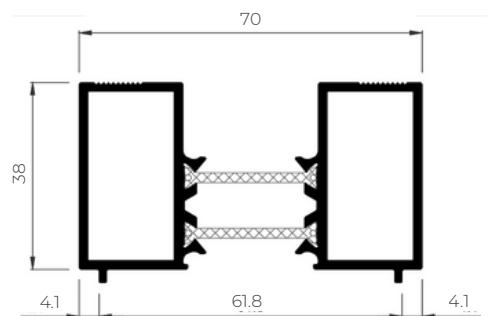
### DRAINAGE SUBCILLS



### HEAD EXTENSION



Head extension 20 mm



Head extension 38 mm

### OPENING POSSIBILITIES



Outward Opening  
Side hung  
Top hung

### POSSIBILITIES



SECURITY  
HARDWARE



CONCEALED  
HINGES



**COR 70 HIDDEN SASH SYSTEM**

## COR 70 HIDDEN SASH

SYSTEM

### **Sightlines**

Frame 70 mm, Sash 70 mm

### **Polyamide Strip Length**

35 mm

### **Profile Thickness**

Window 1.9 mm

### **Glazing**

Max. 40 mm, Min. 26 mm

### **Maximum Sash Dimensions**

#### **Standard Solution:**

Width (L) 1300 mm, Height (H) 2400 mm

#### **HD Hardware (Side Hung):**

Width (L) 1200 mm, Height (H) 3500 mm

### **Maximum Sash Weight**

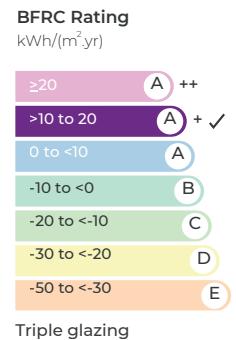
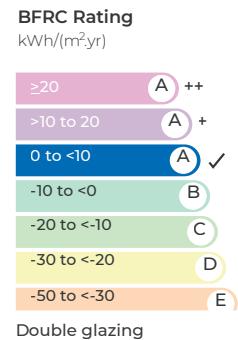
160 Kg

Consult maximum weight and dimensions according to typologies

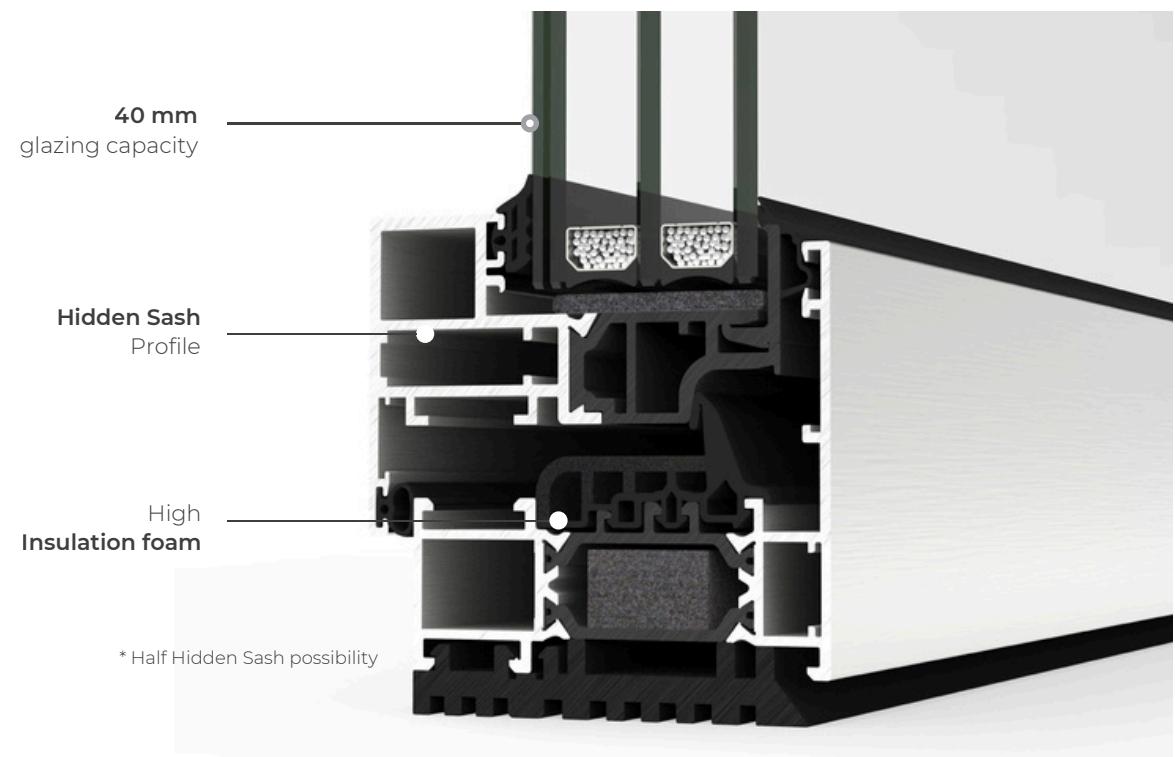




- High thermal & acoustic performance
- Slim sightlines
- Hidden handle and concealed hinges available
- High security



It could be a painting, but is a window. This is how we can describe the COR 70 Hidden Sash which, like the 80 mm version, has a sightline of only 66 mm and allows the incorporation of the ARCH INVISIBLE handle, concealed hinges and the drainage solution. Any element that breaks the visual harmony of the ensemble is discarded.





## FEATURES

U value		Double glazing * Uw from 1.1 (W/m²K)	Triple glazing * Uw $\geq$ 0.81 (W/m²K)
Acoustic insulation		Rw up to 46 dB	
Air permeability		Class 4	
Water tightness		Class E1650	
Wind resistance		Class C5	
Security test		Passed	

\* Double glazing Ug=1.0 / Triple glazing Ug=0.6

Reference test 1.23 x 1.48 m / 1 sash

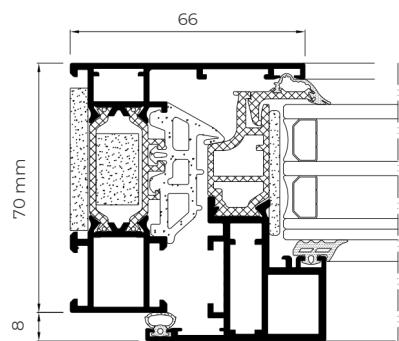
Security test: Reference test 1.100 x 2.400 m / 1 sash

CSTB Laboratory DTA Certification

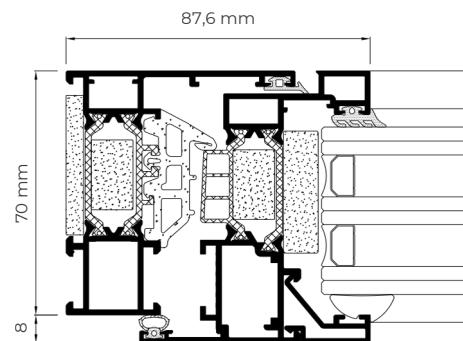


ARCH INVISIBLE HANDLE

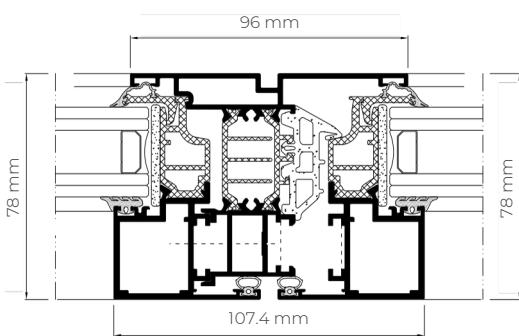
CROSS SECTION



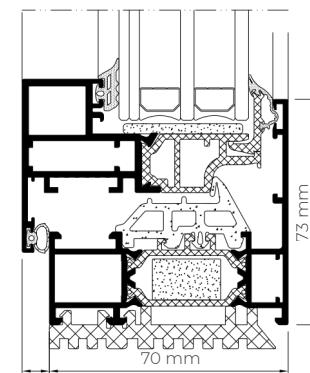
HALF HIDDEN SASH



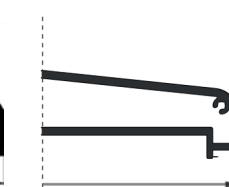
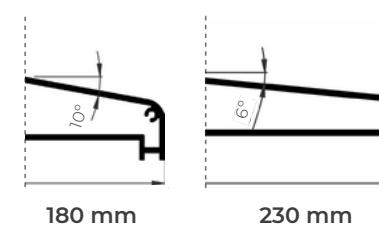
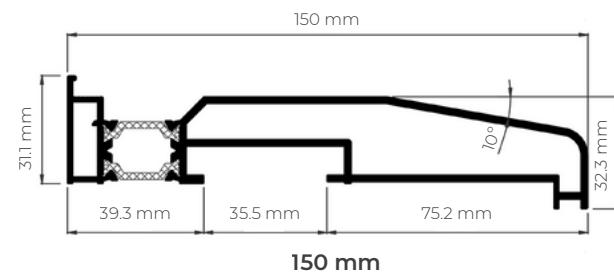
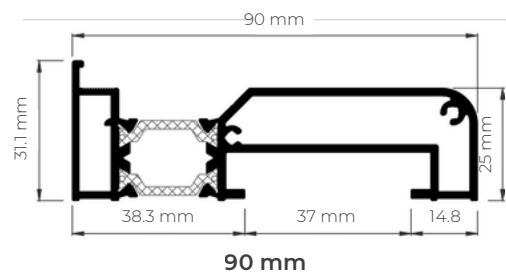
FLOATING MULLION



HIDDEN DRAINAGE

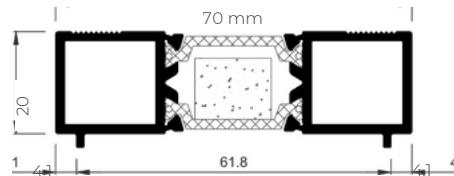


DRAINAGE SUBCILLS

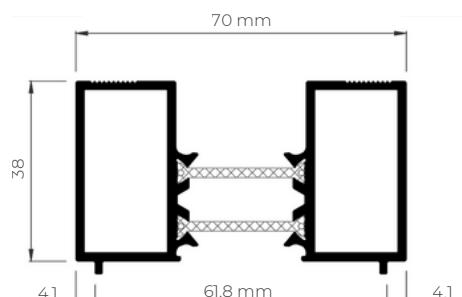


300 mm

HEAD EXTENSION



Head Extension 20 mm



Head Extension 38 mm

POSSIBILITIES



OPENING POSSIBILITIES





4700 IN-LINE SLIDER / LIFT & SLIDE SYSTEM

## 4700 IN-LINE SLIDER / LIFT & SLIDE

SYSTEM

---

### Sightlines

Frame depths 115 and 120 mm, 185 mm 3 rails

Interlock 47 mm

### Polyamide strip length

20-25 mm

### Profile thickness

Balcony door 1.5 mm

### Glazing

Max. 36 mm, Min. 26 mm

### Maximum sash dimensions

Width (L) 2,500 mm, Height (H) 3,000 mm

### Maximum sash weight

Slide 280 kg

Lift & slide 300 kg

Consult maximum weight and dimensions according to typologies





- Up to 3 metres high
- Maximized glazed surface
- 47 mm interlock
- Faster manufacturing
- High security

**BFRC Rating**kWh/(m<sup>2</sup>.yr)

≥20	A	++
>10 to 20	A	+
0 to <10	A	
-10 to <0	B	
-20 to <-10	C	✓
-30 to <-20	D	
-50 to <-30	E	

Double glazing

**BFRC Rating**kWh/(m<sup>2</sup>.yr)

≥20	A	++
>10 to 20	A	+
0 to <10	A	
-10 to <0	B	
-20 to <-10	C	✓
-30 to <-20	D	
-50 to <-30	E	

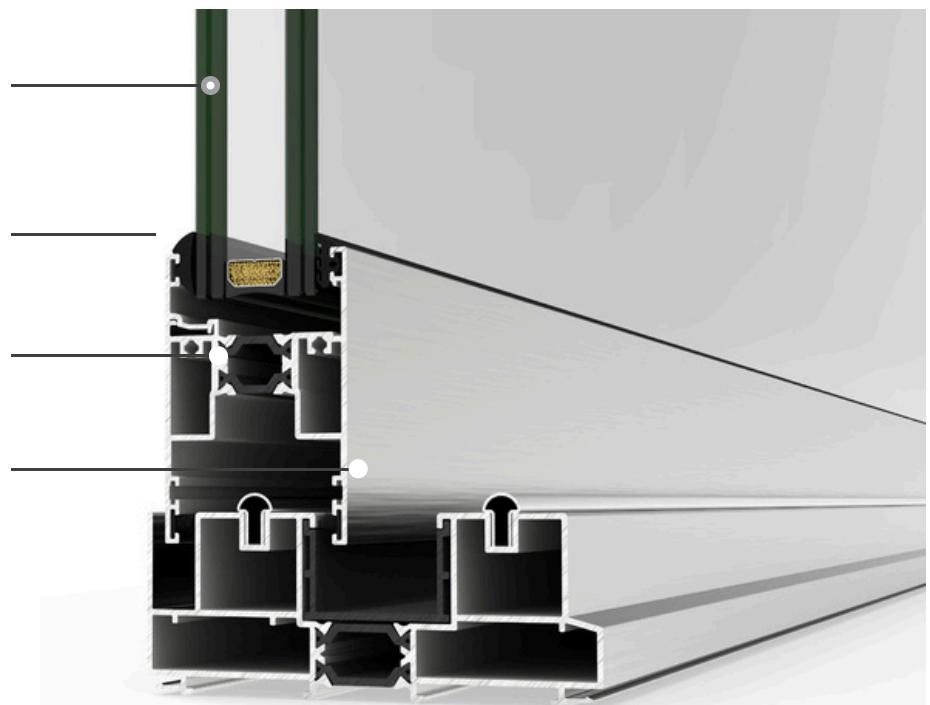
Triple glazing

**36 mm**  
max. glazing capacity

\* Pre-gasketed  
bead

Adjustable  
wheels

In-line / lift & slide  
versions



This sliding system, available both in-line slider and lift & slide versions, becomes an ideal solution for closing large spans. It presents modern aesthetics in straight lines, a reduced interlock section and large glazed surfaces that ensure bright and comfortable areas, due to its thermal and acoustic performance.

**PAS24**



## FEATURES

U-value (I)		Double glazing $U_w \geq 1.4 \text{ (W/m}^2\text{K)}$	Triple glazing $U_w \geq 1.2 \text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up to 40 dB	
Air permeability		Class 3* / 4**	
Watertightness		Class 7A	
Wind resistance		Class C5* / C2**	
Security test		Passed	

Double glazing  $U_g=1.0$  / Triple glazing  $U_g=0.7$

(I) Two sashes 5 m x 3 m



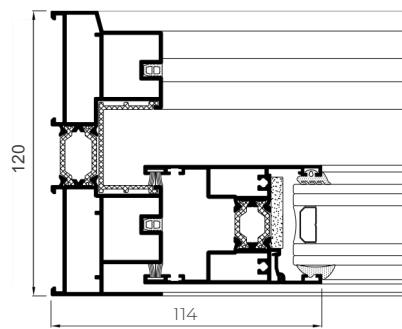
In-line slider



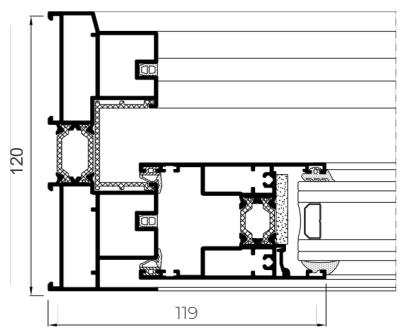
Lift & slide

\* Reference slide test 1.8 x 2.2 m / 2 sashes / \*\* Reference lift & slide test 4.0 x 2.50 m / 2 sashes  
Security test: Reference test 2.40 x 2.40 m / 2 sashes

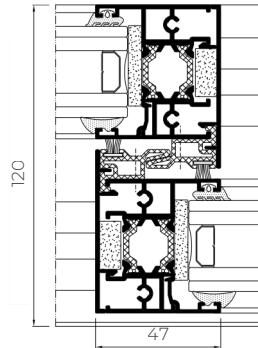
IN-LINE SLIDER



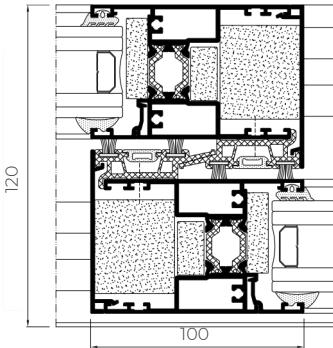
LIFT & SLIDE



47 mm INTERLOCK

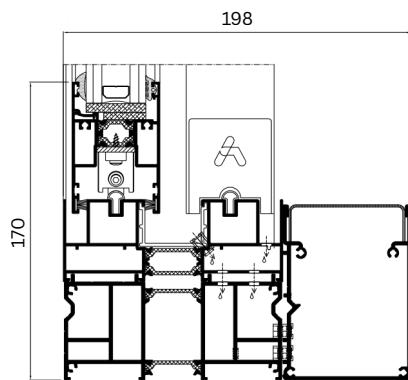


100 mm INTERLOCK

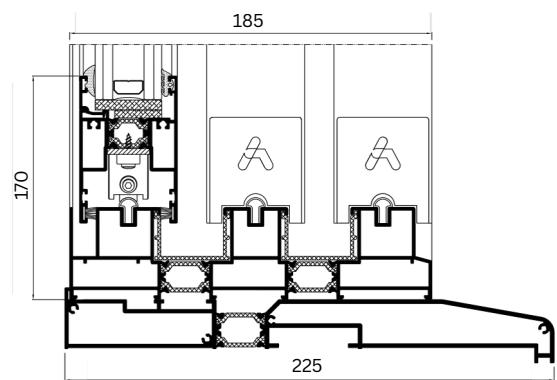


DRAINAGE SOLUTIONS

Hidden drainage

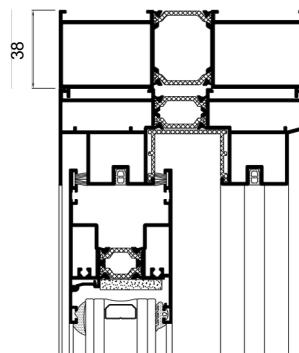


250 mm subcill

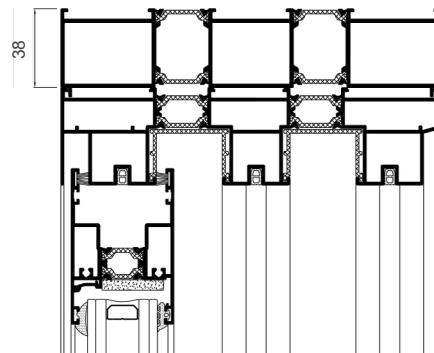


HEAD EXTENSION - 38 mm

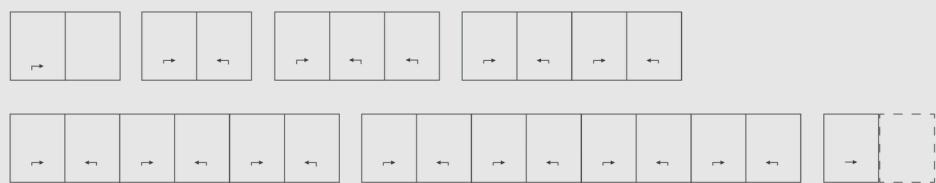
Double track



Triple track



OPENING POSSIBILITIES



Sliding

1 rail (1 sash + 1 fixed light)  
2, 3 & 4 rails  
In-pocket

POSSIBILITIES



ACCESSIBILITY



COR VISION SYSTEM

# COR VISION

SYSTEM

## Sightlines

Frame depth 116 mm / 182 mm 3 rails

Sash depth 37 mm

Interlock 20 mm

## Polyamide Strip Length

16 / 24 mm

## Profile Thickness

Door 1.7 mm

## Glazing

Max. 30 mm, Min. 26 mm

## Maximum Sash Dimensions

Width (L) 2500 mm, Height (H) 3000 mm

## Maximum Sash Weight

320 kg

Consult maximum weight and dimensions according to typologies



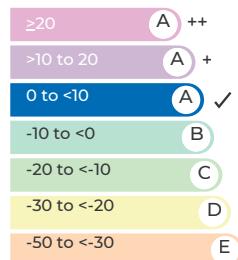


Thermally broken minimalist sliding system that provides maximum luminosity with a minimal aluminium interlock profile. It has an elegant design only 20 mm sightline and offers the possibility of an inlaid closing system and of hiding the frame along the perimeter.

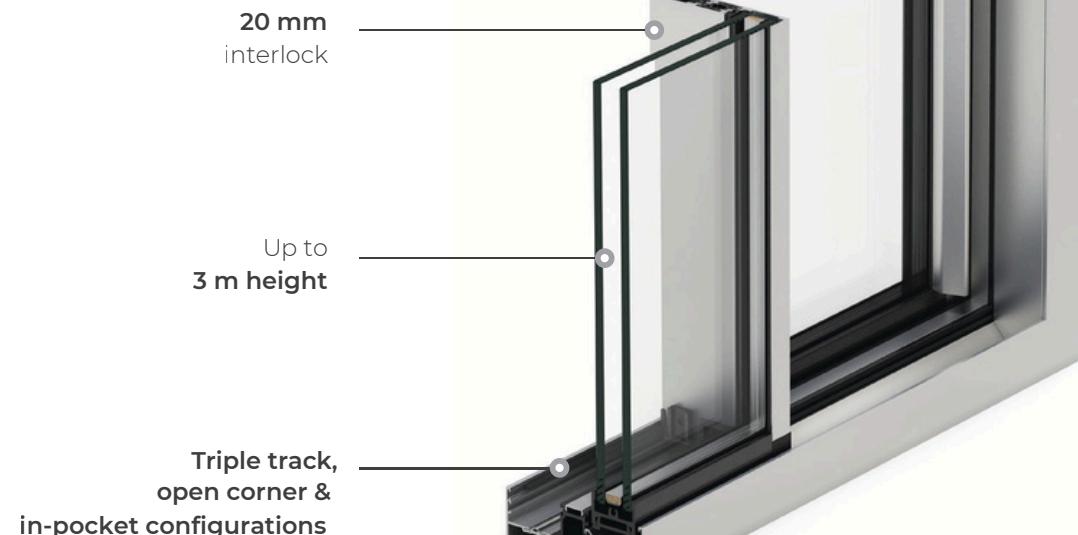
Possibility of locking system in the interlock, thus allowing the concealment of the sashes in the frame from a frontal view. Possibility of embedded locking system which facilitates the sashes crossing.

- High thermal & acoustic performance
- Maximized glazed surface
- Stainless steel adjustable wheels
- 20 mm interlock
- Hidden track possibility

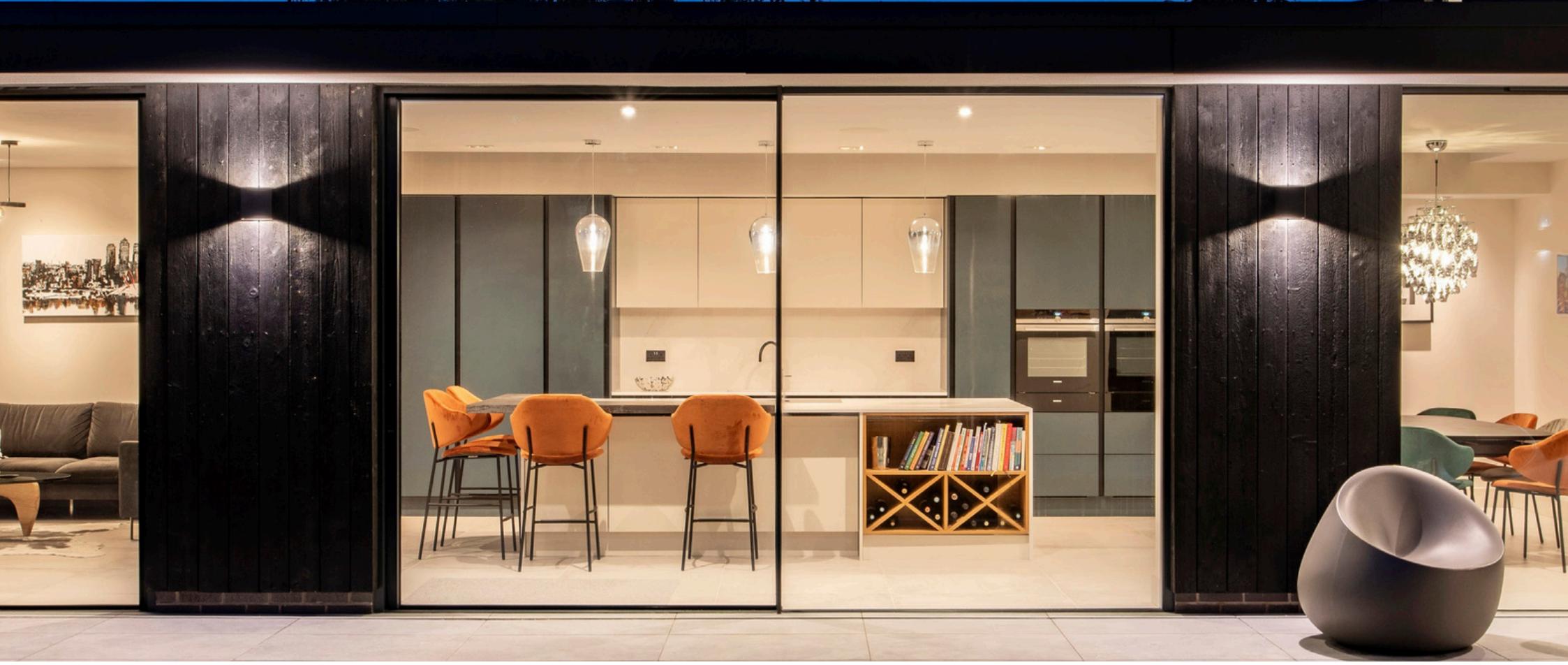
**BFRC Rating**  
kWh/(m<sup>2</sup>.yr)



Double glazing



**PAS24**



## FEATURES

U value		Uw ≥ 1.3 (W/m²K)
Acoustic insulation		Rw up to 41 dB
Air permeability		Class 4
Water tightness		Class 7A
Wind resistance		Class C5
Security test		Passed

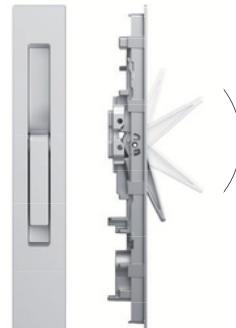
Reference test 1.23 x 1.55 m / 1 sash + 1 fixed light



INTERLOCK HANDLE

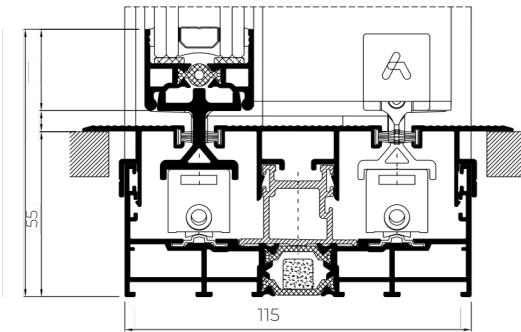


SECURITY HARDWARE

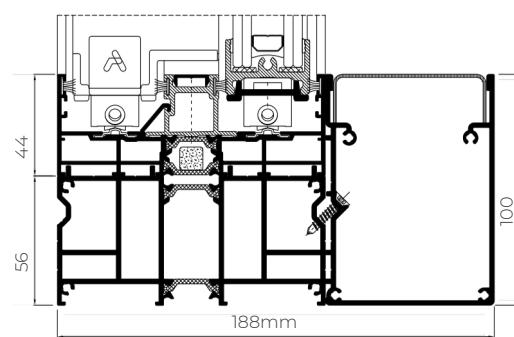


FLUSH SECURITY HARDWARE

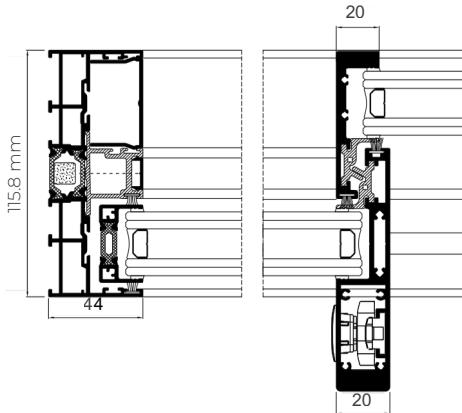
## HIDDEN TRACK SOLUTION



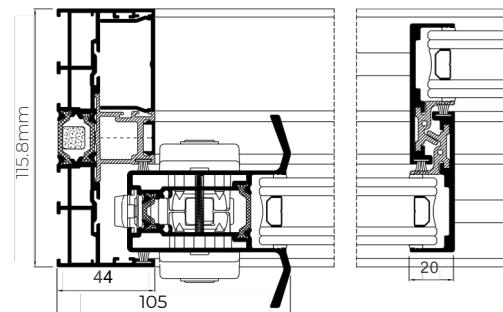
## BESPOKE DRAINAGE SOLUTION



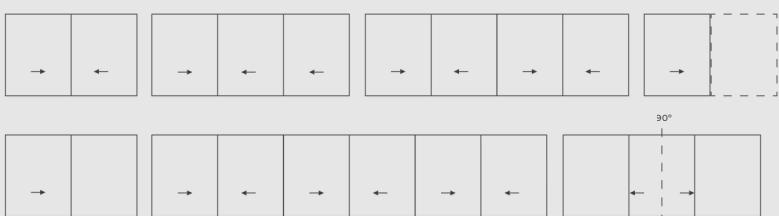
## INTERLOCK HANDLE



## DOUBLE TRACK



## OPENING POSSIBILITIES



## HIDDEN TRACK SOLUTION



## ACCESSIBILITY

## Sliding

Possibility of 1, 2 or 3 rails

Possibility of interior and exterior corner sash at 90° without mullion

## Pocket possibility

# About us

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Located in South Wales with national deliveries, AWE Aluminium is dedicated to helping you find the best supplies for you. Since 2018, we've been striving to create lasting relationships with our customers, and guarantee that they can count on us for the best quality materials and service possible.





# ALUMINIUM

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