



CASEMENT SYSTEM



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  $W/m^2K$ , has the British security certification PAS 24, being especially suitable for this market.



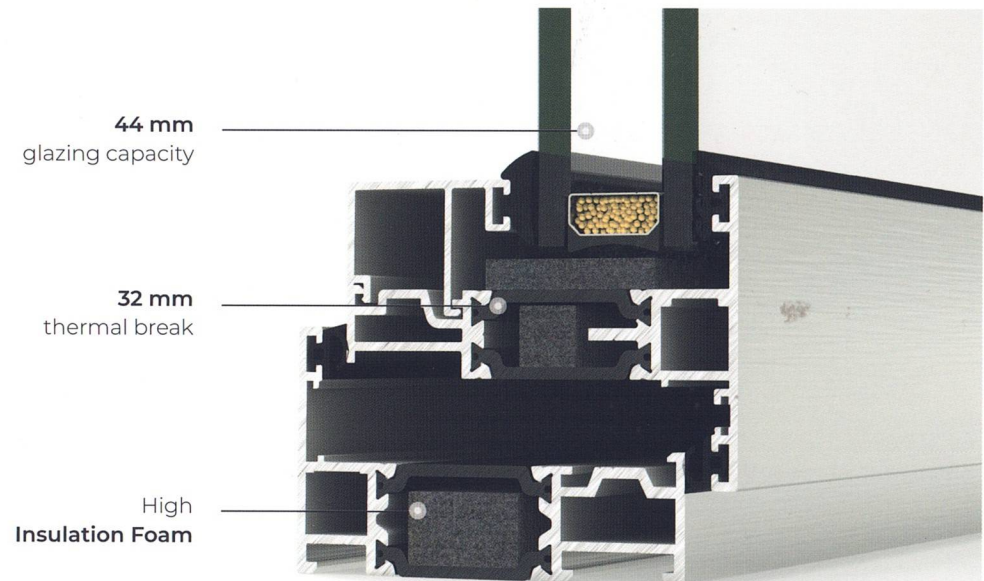
- High thermal & acoustic performance
- Slim sightlines
- Flush option available
- High security

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





## FEATURES

U value		Double glazing * Uw from 1.4 (W/m <sup>2</sup> K)	Triple glazing * Uw ≥ 1.0 (W/m <sup>2</sup> K)
Acoustic insulation		Rw up to 45 dB	
Air permeability		Class 4	
Water tightness		Class E1200	
Wind resistance		Class CE 2400	
Security test		Passed	

\* Double glazing Ug=1.0 / Triple glazing Ug=0.5  
 Security test: Reference test 1.438 x 1.33 m / 1 sash

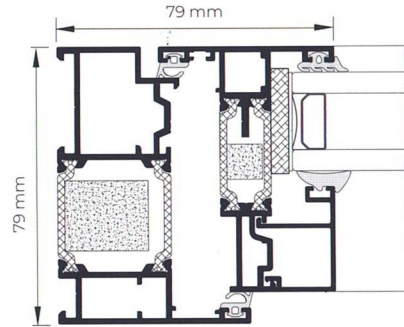


Flush Version

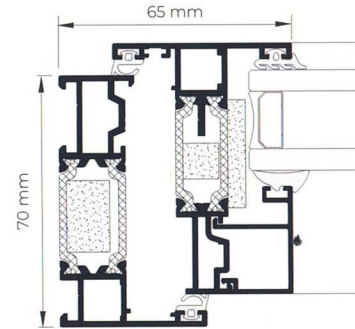


Standard Version

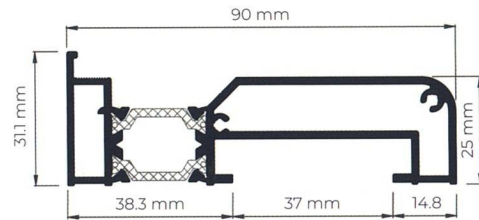
**FLUSH VERSION**



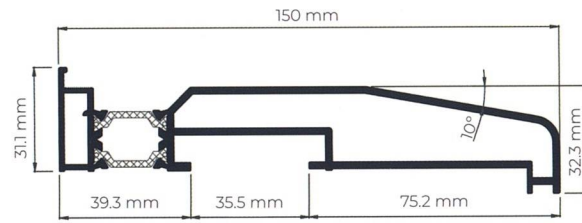
**STANDARD VERSION**



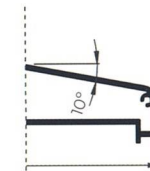
**DRAINAGE SUBCILLS**



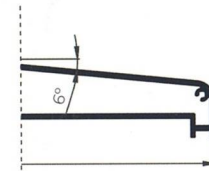
**90 mm**



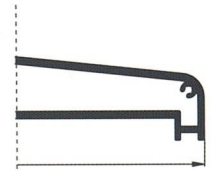
**150 mm**



**180 mm**

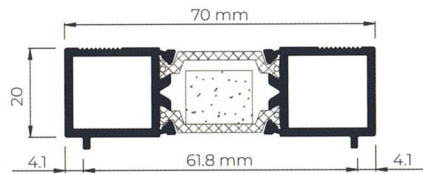


**230 mm**

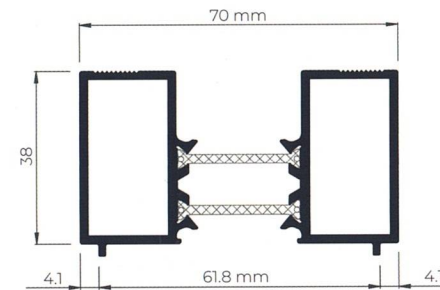


**300 mm**

**HEAD EXTENSION**

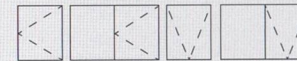


**Head Extension 20 mm**



**Head Extension 38 mm**

**OPENING POSSIBILITIES**



Outward Opening  
Side hung  
Top hung

**POSSIBILITIES**



SECURITY  
HARDWARE



CONCEALED  
HINGES

## 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) 1300 mm

#### Slim Sash (Top Hung):

Width (L) 1200 mm, Height (H) 1300 mm

#### Heavy Duty Sash (Side Hung):

Width (L) 750 mm, Height (H) 1750 mm

#### Heavy Duty Sash (Top Hung):

Width (L) 1800 mm, Height (H) 1800 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





## ENERGY EFFICIENCY

Thermal Transmission Coefficient

**Uw ≥ 0.9 (W/m²K)**

Please consult typology, dimensions and glazing.

## ACCOUSTIC INSULATION

Maximum glazing: **44 mm**

Maximum acoustic insulation: **Rw = 45 dB**

## CATEGORIES ACHIEVED AT TEST CENTRE

Protection against atmospheric agents

Air permeability (EN 12207):

Water tightness (EN 12208):

Wind resistance (EN 12210):

Reference test 1.44 x 1.33 m / 1 sash + 1 fixed light

Security test: **PAS24**

Reference test 1.44 x 1.33 m / 1 sash + 1 fixed light

**Class 4**

**Class E1200**

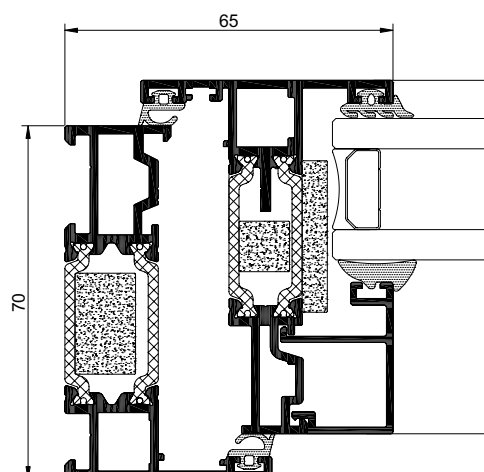
**CE 2400**

**Passed**

SECTIONS	Frame 70 mm Sash 70 mm
PROFILE THICKNESS	Window 1.6 mm
MAXIMUM DIMENSIONS/ SASH	<b>Slim sash / Side hung</b> Width (L) = 950 mm Height (H) = 1.300 mm
	<b>Slim sash / Top hung</b> Width (L) = 1.200 mm Height (H) = 1.300 mm
	<b>Heavy duty sash / Side hung</b> Width (L) = 750 mm Height (H) = 1.750 mm
	<b>Heavy duty sash / Top hung</b> Width (L) = 1.800 mm Height (H) = 1.800 mm
MAXIMUM WEIGHT/SASH	<b>Slim sash</b> Side hung 35 Kg / Top hung 50 kg
	<b>Heavy duty sash</b> Side hung 42 Kg / Top hung 100 kg

Consult maximum weight and dimensions in accordance to typology.

OPENING POSSIBILITIES	
OPEN OUT	side hung and top hung
FINISHES	
Colour powder coating (RAL, mottled, rough...) According Qualicoat > 60 microns	
Wood effect powder coating According to Qualideco standard	
Anodized According to Ewwa Euras Standard Class 15 Optionally Class 20 and 25	
Optionally bicoloured	
POLYAMIDE STRIP LENGTH	
32 mm	

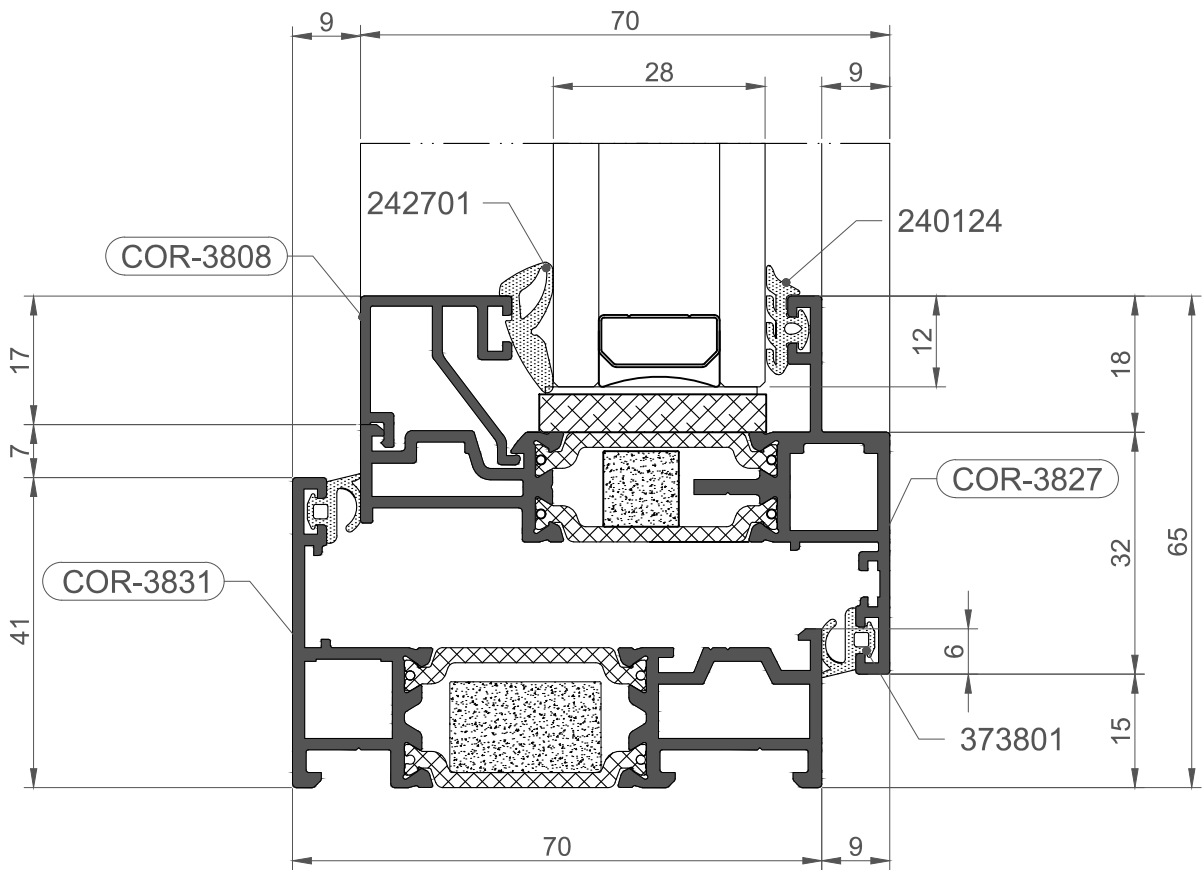
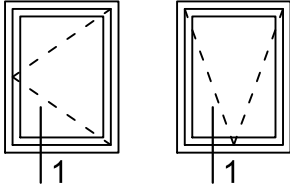




**CASEMENT**  
Constructive Sections

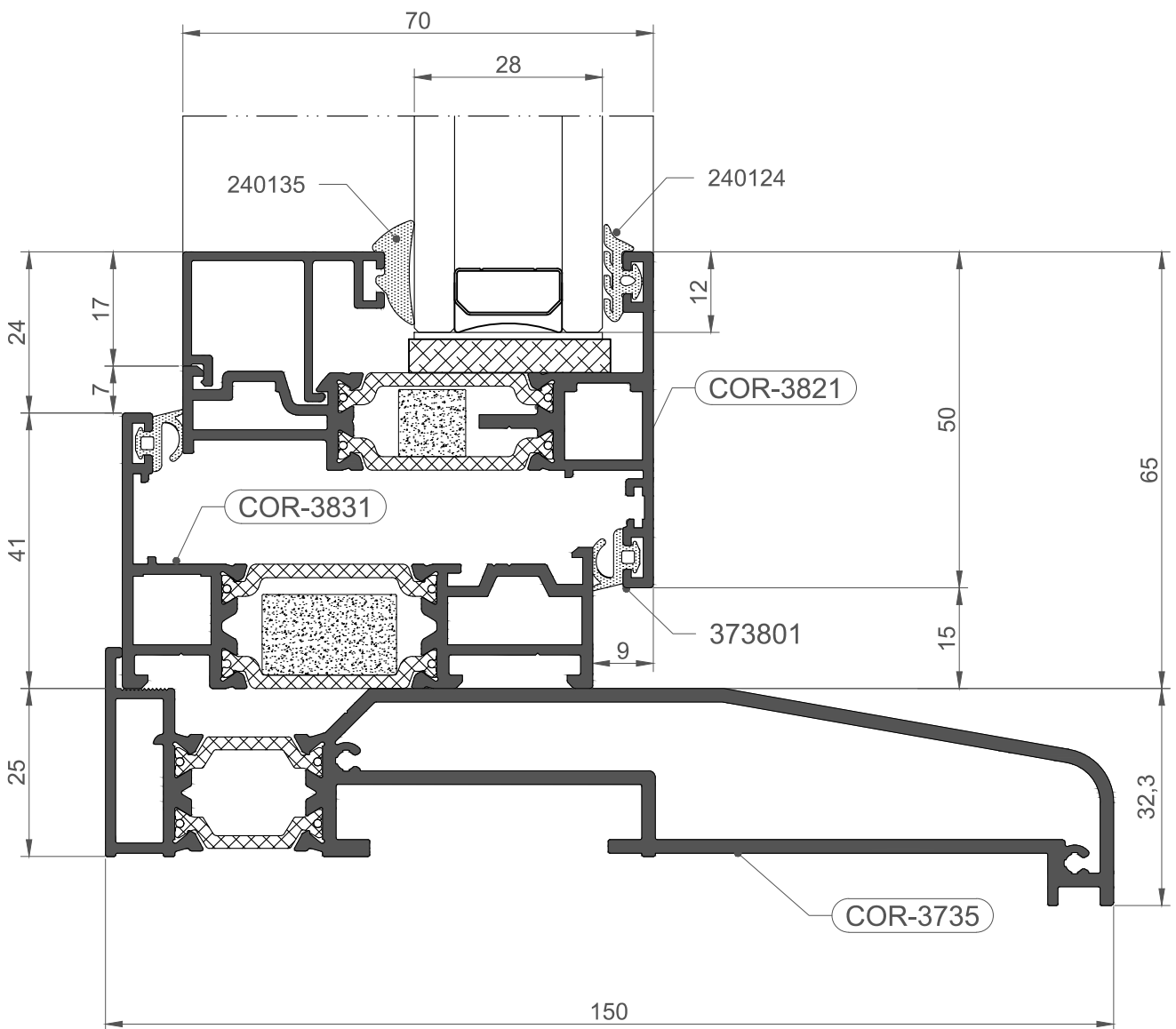
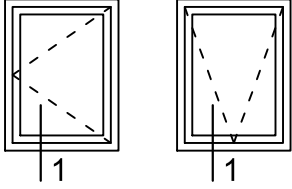
**CASEMENT**  
Nudos constructivos

1:1

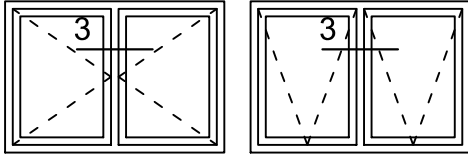




1:1



1:1



$I_x=73,19 \text{ cm}^4$

