

Cor 80 Hidden Sash Thermally Broken

A new window design with a CE groove, with a concealed wing, characterized by an extremely slender locksmith. The cross-section visible from the outside is only 66 mm, which increases the glazing area. Glass can provide up to 85% of the entire window area. This ensures perfect lighting of the interior.

The window was designed in such a way that when looking from the outside it was impossible to distinguish solid glazing from those that can be opened. Thanks to this treatment, a perfectly uniform aesthetic facade was obtained.

The area of the 45 mm wide thermal break and the polyolefin foam placed in the frame and the sash allow achieving a coefficient of permeability of up to $0.8 \text{ W} / \text{m}^2\text{K}$, thus increasing energy efficiency. In addition, this system is characterized by a high level of interior quietness, which was obtained through the possibility of using glazing up to 50 mm thick.

The results obtained during the tests confirm excellent water-tightness, air tightness and wind load resistance. This system provides the highest protection against adverse weather conditions.



Cor 80 Hidden Sash Thermally Broken

Transmittance

U_w from 0,8 (W/m²K)

Please consult typology, dimensions and glazing

Acoustic insulation

Maximum glazing: 50 mm

Maximum acoustic insulation **R_w = 46 dBA**

Finishes

Possibility of bicolor systems

Color powder coating (RAL, mottled and rough)

Wood effect powder coating

Anti-bacterial powder coating

Anodized

Categories achieved at test centre

Air permeability
(EN 12207): Class 4

Water tightness
(EN 12208): Class E1500

Wind resistance
(EN 12210): Class C5
Reference test 1,23 x 1,48 m, 2 sashes

A 80 mm frame depth Euro-Groove hidden sash window system

Seen surface of only 66 mm from the outside

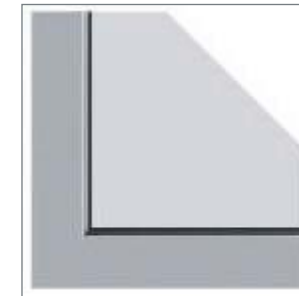
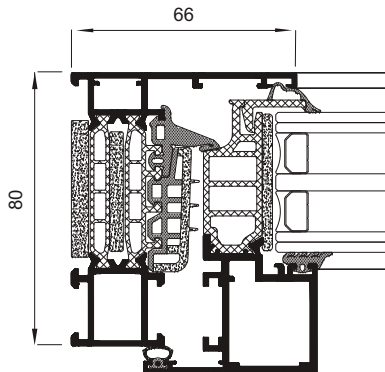
Extraordinary increase in luminosity

Possibility of incorporating hardware with concealed hinges & the security system Evo Security



ARCH
INVISIBLE
BY CORTIZO

Sections **Profile thickness**
 Frame 80 mm Window 1,9 mm
 Sash 80 mm
 Polyamide strip length 45 mm



Opening possibilities



Inward opening:
 1 & 2 sashes Side Hung
 1 & 2 sashes Turn&tilt
 Bottom hung

Maximum dimensions/sash

Standard solution	Cortizo Hinges HD Side Hung
Width (L) = 1300 mm	Width (L) = 1200 mm
Height (H) = 2400 mm	Height (H) = 3500 mm

Maximum weight/sash

160 Kg

Consult maximum weight and dimensions according to typologies