CORTIZO

4600 Lift and Slide HI System with thermal break

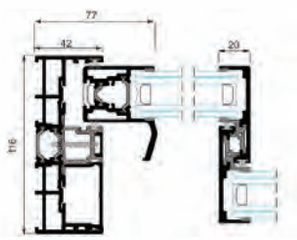
A new lift and slide door system that exhibits the best thermal insulation in all the sliding range with unbeatable transmission values (UH) from 0.9 (W/m^2K)

This maximum energy efficiency is possible thanks to the perfect combination of a thermal breaking zone with 35 & 24 mm polyamide strips and cross-linked polyethylene as well as the possibility of large glazing allowed by the sashes and up to 55 mm thick glass which allows for the option to install compositions of double and triple chamber glass in order to guarantee its exceptional thermal insulation and particularly this system will improve noise protection..

Technical Data

- Maximum glazing: 55 mm.
- Maximum accoustic insulation **Rw=43dBA**
- Uw from 0.9 (W/m^2K)

** Depending on the transmittance of the glass.*



Cor-Vision Sliding System with thermal break

An avant-garde design of a thermally broken sliding system that permits maximum luminousity with the minimum amount of seen aluminium profile section. An elegance in design that looks to cover great light spaces with minimum frame fragments of between 9-14% of the total surface. It shows seen centre junction sections of only 20 mm, in the lateral junction at 77 mm and the top/bottom junctions at 57 mm.

Possibility of inlaying the bottom, top and lateral frames.

Possibility of sash meetings at a 90° corner without a mullion.

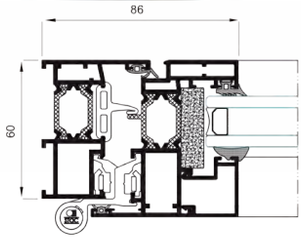
In its monochannel version, comprising of fixed and sash, the hidden rail is found in the fixed area.

This presents a new type of frame for 2 or 3 rails that allows the incorporation of a stainless steel rail that affords increased sliding smoothness, an increase in loading support for the bearings (up to 320 kg/sash) and increased durability.

A system with traditional fitting procedures with perimetral frame and sashes that allows the sash to be dismantled in case of glass breakage, damage to the aluminium profile etc. It incorporates a rod operated multipoint lock.

Technical Data

- Maximum glazing: 30 mm.
- Maximum accoustic insulation **Rw=41 dB**



COR 60 RPT

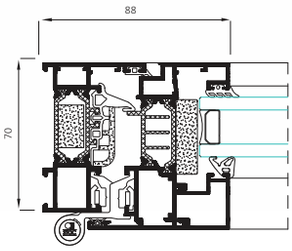
System with thermal Break that is realized by means of poliamida rods with a 25% of glass fiber of a length of 24 mm.

Possibility of straight and curved leaves and jambs.

Presents the possibility of incorporating hardware with hidden hinges and Evo Security hardware.

Technical data

- Maximum glazing: 46 mm
- Maximum sound insulation **Rw = 48 dB**
- Uw from 1.0 (W/m^{2}K)
- Consult type, dimension and glass
- CTE- Suitable for climatic zones *: α ABCDE
- Depending on the transmittance of glass.



Cor-70 Industrial system with thermal break

A hinged window system that was conceived with the object of satisfying the needs of a determined market segment for an economical window system, simple but versatile with many features.

With a 70 mm frame depth and Euro Groove opening gearing, this innovation from the R&D Department has thermal transmission from only 0.9 W/m^{2}K in order to adapt to distinct climatic severities and material demands on energy efficiency.

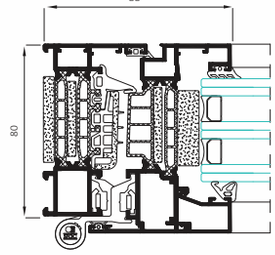
Its simplicity in fitting and reduced need for labour allows for a more industrialised manufacture resulting with time and cost savings at the end.

It features a straight style in both sash and bead.

A glazing capacity of up to 65.5 mm that allows the use of energy efficient glazing and compositions with large thicknesses and affords this system excellent accoustic and thermal features.

Transmittance

- Uw from 0.9 (W/m^{2}K)
- Consult typology, dimension and glass Acoustic insulation
- Maximum glazing: 55 mm
- Maximum sound insulation **Rw = 44 d**



Cor-80 Industrial System with Thermal Break

A new concept of a Euro-Groove hinged system capable of reaching the maximum levels of weather tightness, energy saving and acoustic protection with reduced assembly and fabrication time.

With 80 mm of frame depth, it responds to the most severe climatic demands, and provides an unbeatable degree of energy efficiency thanks to its minimal window transmission value (UH) that can reach 0.8 W/m^{2}K. These minimum values are achieved thanks to the perfect design of the thermal break zone with 45 mm tubular polyamide strips as well as the incorporation of cross-linked polyolefin both in the glazing space as well as the interior of the frame and sash.

Transmittance

- Uw from 0.8 (W/m^{2}K)
- Consult typology, dimension and glass Acoustic insulation
- Maximum glazing: 65 mm
- Maximum sound insulation **Rw = 46 dB**
- Length of polyamide rod: 45 mm.