

## 4600 Lift and Slide HI System (High Insulation) 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 ( $U_w$ ) 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.

The possibility of large sash dimensions makes this system ideal for enclosing large spaces and guaranteeing internal luminosity without foregoing the maximum thermal and acoustic performances.

This slider bases its workings on a system where the sashes are mounted on a mechanism that allows for it to be elevated when opened and to drop down when closed in such a way that the closed door rests over lower and lateral longitudinal weather gaskets and can be fixed in whatever position and in this way improving its weather tightness and acoustic insulation. It is a robust system in appearance but light at the same time with an ultra smooth opening action and perfect sash sliding over a stainless steel rail that avoids wear and tear.

It offers a modern design with a straight style both in sashes and beads.



## 4500 Lift and Slide System with thermal break

A perimetral sliding door system with thermal breaking and a bevelled or curved style both in sashes and beads.

There are two versions:

- **4500 lift and slide** that bases its operation on a system in which the sashes are fitted with a mechanism that permits its own elevation whilst opening and descending when closing in such a way that the closed door rests over the top and bottom longitudinal water tightness gaskets allowing it to be fixed in whatever position.

Possibility of corner sash meeting at 90° without mullions.

In the fixed light and sash configuration, the rail in the fixed zone remains hidden.

- **4500 in line slider** allows the sliders to be made economically in large dimensions.

It presents configurations of sash+fixed light, Fixed light+sash+fixed light, 2 sashes+2 fixed lights and 4 sashes.

The rail where the sashes slide along is made of stainless steel in order to avoid wear and tear.



## 4700 Sliding System with thermal break

System for sliding window and doors with straight aesthetic, which counts with a central minimalistic interlock of just 47 mm of visible section.

It allows maximising the glazing capacity up to 34 mm increasing the acoustic and thermal performance.

Its sashes of up to 280 kg weight allow a maximum dimensions of 2500 (W) x 3000 (H) mm.



# 4600 Lift and Slide HI System (High Insulation) with thermal break

## Transmittance

U<sub>w</sub> from 0.9 (W/m<sup>2</sup>K)

Please consult typology, dimensions and glass

## Acoustic insulation

Maximum glazing: 55 mm.

Maximum acoustic insulation **R<sub>w</sub>=43 dBA**

## Finishes

Possibility of dual colour

Colour powder coating (RAL, mottled and rough)

Wood effect powder coating

Anti-bacterial powder coating

Anodized

## Categories achieved at test centre

Air permeability  
(EN 12207:2000): Class 4

Water tightness  
(EN 12208:2000): Class 9A

Wind resistance  
(EN 12210:2000): Class C5  
Reference test 4,0 x 2,4 m. 2 sashes



## Sections

Frame 160.6 mm.  
251mm. 3 rails

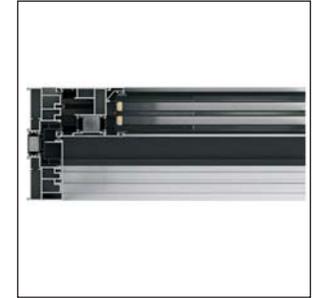
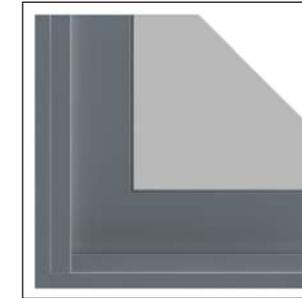
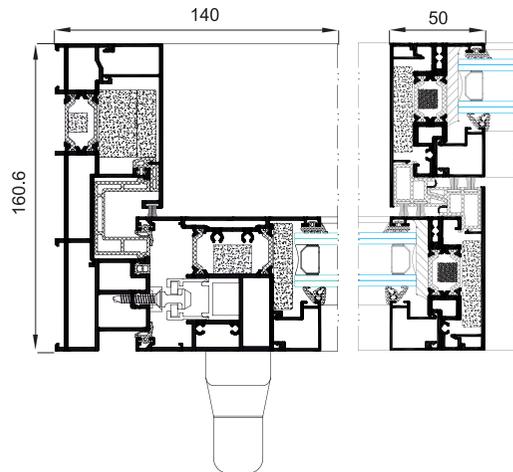
Sash 70 mm.

## Polyamide strip length

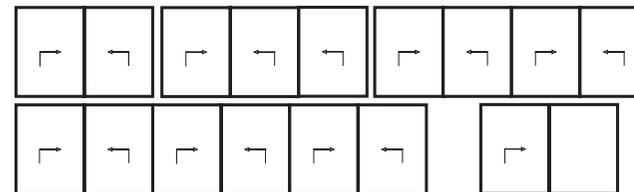
Frame 35 mm. Sash 24 mm.

## Profile thickness

Door 2,0 mm.



## Opening possibilities



Sliding of 2, 3, 4 & 6 sashes.  
Possibility of 3 rails & 1 rail.  
(1 sash + 1 fixed light)

## Maximum dimensions/sash

Width (L) = 3.300 mm.  
Height (H) = 3.300 mm.

## Maximum weight/sash

400 Kg.

Please consult regarding maximum weight and dimensions for other opening types

# 4500 Lift and Slide System with thermal break

## Transmittance

Uw from 1,5 (W/m²K)

Please consult typology, dimensions and glass

## Acoustic insulation

Maximum glazing: 30 mm.

Maximum acoustic insulation **Rw=42 dBA**

## Finishes

Possibility of dual colour

Colour powder coating (RAL, mottled and rough)

Wood effect powder coating

Anti-bacterial powder coating

Anodized

## Categories achieved at test centre

Air permeability  
(EN 12207:2000): Class 3

Water tightness  
(EN 12208:2000): Class 8A

Wind resistance  
(EN 12210:2000): Class C4  
Reference test 1,85 x 2,05 m. 1 sash + 1 fixed light



## Sections

Frame 100/123/127 mm.  
185 mm. 3 rails

Sash 51 mm.

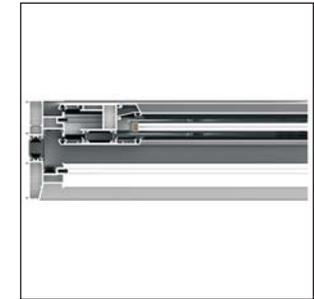
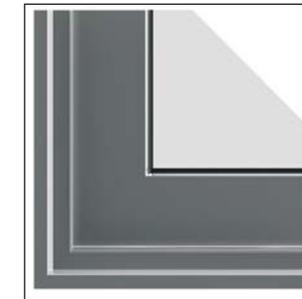
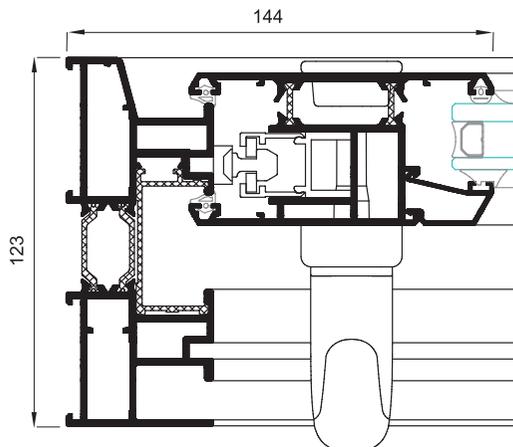
## Polyamide strip length

-Lift version of 24 & 14.6 mm.

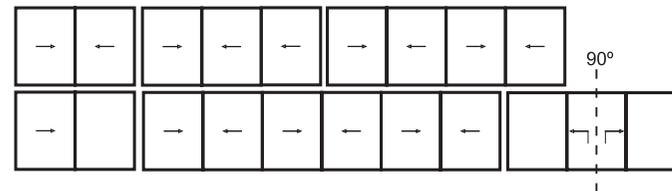
-In-line version of 30 & 14.6 mm.

## Profile thickness

Door 2,0 mm.



## Opening possibilities



Sliding of 2, 3, 4 & 6 sashes.  
Possibility of 3 rails.  
Possibility of 1 rail.  
(1 sash + 1 fixed light)  
Possibility of corner sash at 90° without mullions.

## Maximum dimensions/sash

Width (L) = 3.300 mm.

Height (H) = 2.900 mm.

Lift version

Width (L) = 2.500 mm.

Height (H) = 2.600 mm.

In-line version

## Maximum weight/sash

400 Kg.(Lift version)

280 Kg.(In-line version )

Please consult regarding maximum weight and dimensions for other opening types