



SL2450

Lift & Slide Thermal Insulating System
Minimal face widths.



System Identity

The advanced system SL2450 offers all the functional benefits of a minimal lift and slide system with impressive performance. The system combines up to date architectural aesthetics and exceptional functionality along with high durability.

The design parameters on which the system has been constructed are architectural aesthetics, functionality combined with durability and unprecedented performance, while flexibility and ease in construction are important benefits for the modern professional. Its minimal architectural design is reflected on the 30 mm wide interlocking profile for greater visibility and natural light, while the low-level threshold offers extra comfort and easier access. In order to improve its performance, the SL2450 is equipped with 32 mm glass reinforced polyamides and EPDM gaskets that offer increased levels of thermal insulation and water tightness.

Features & Benefits

- High level of thermal insulation due to the 32 mm glass reinforced polyamides
- Its minimal and straight lines combined with the 32.5 mm low threshold offer particularly fine constructions.
- Interlocking face width of only 30 mm maximizes transparency and natural light penetration.
- The advanced lift mechanism offers high functionality, ease of use and smooth sliding while the specially designed profile with the integrated handle reinforces robustness and increases the resistance to wind pressure.
- Possibility to implement different typologies, perfectly adapting to large scale constructions.
- Ideal for hotel units, offering the ability to implement extensive lifting-sliding solutions with fixed panel.

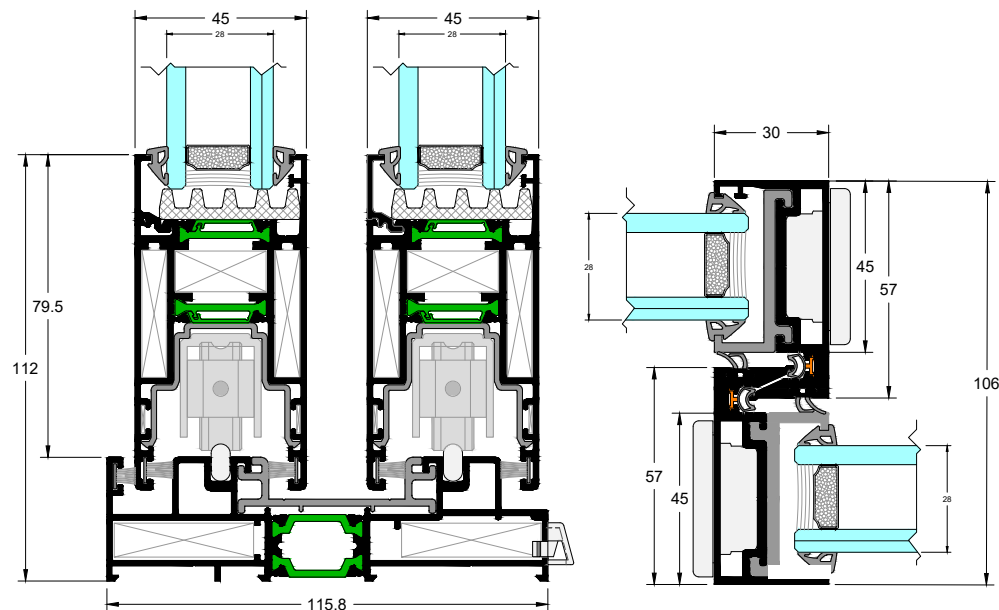
Configurations

Lift - sliding

2Leaf sliding, 3Leaf sliding, 4Leaf double sliding, 6Leaf double sliding, 2Leaf sliding with insect screen, 2Leaf sliding with fixed, 2Leaf sliding with fixed and insect screen, 1Leaf sliding with fixed

Lift - sliding pocket

1Leaf-2Leaf sliding with glass, 1Leaf-2Leaf sliding pocket with glass-insect screening system, 1Leaf-2Leaf with glass- rolling shutters, 1Leaf-2Leaf with glass-insect screen-rolling shutters.



HARDWARE

SLIDING	■
LIFT & SLIDE	■

INSULATION

POLYAMIDES mm	16-32
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SYSTEM PROFILE DIMENSIONS

FRAME LIFT & SLIDE WIDTH mm	115
MIN. FRAME HEIGHT mm	32.5
MIN. FACE HEIGHT mm	102
MIN. INTERLOCKING PROFILE WIDTH	30
GLASS THICKNESS mm	28

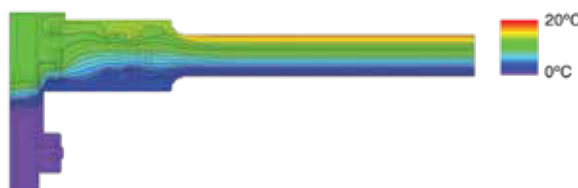
CONSTRUCTION DIMENSIONS

SASH WIDTH mm	330-2000
SASH HEIGHT mm	1200-2700
MAX. SASH DIMENSIONS mm (WxH)	2000x2400 / 1600x2700
MAX. SASH WEIGHT Kg	200-250*

CERTIFICATES/PERFORMANCES

OPERATING FORCES EN 13115	Class 1
AIR PERMEABILITY EN 12207	Class 4
WATER TIGHTNESS EN 12208	Class 3A
RESISTANCE TO WIND LOAD EN 12210	Class C4/B4
SOUND REDUCTION R_w (C,Ctr) ISO 10140-2	40 (-2;-7)dB
THERMAL INSULATION U_f EN ISO 10077-2	1.9-5.3 W/m ² K

* Traditional L&S mechanism



Rate of Insulation

$U_w = 1.59 \text{ W/m}^2\text{K}$

Thermal conductivity coefficient has been calculated for the construction:
4500x2500 with $U_g = 1.1 \text{ W/m}^2\text{K}$
Glass type: 3+3 /16 (ARGON) / 5

