



SL2750

Lift & Slide Thermal
Insulating System

Ανασυρόμενο
Θερμομονωτικό

LIFT & SLIDE SYSTEMS

SL2750

Lift & Slide Thermal Insulating System

Hybrid system — Lift & Slide meets Curtain Wall.

System Identity

SL2750 is a highly insulated hybrid system of lift-and-slide frames combined with high-end curtain wall. It is the interaction of two ALUMINCO architectural systems: the exceptional lift-and-slide **SL2700** and the comprehensive curtain wall system **EW50**. The combination of these two advanced systems covers the need for wide, heavy-duty spans harmoniously integrated onto buildings with standard or structural facades in three different versions: Standard, Semi-Structural, and Structural.

Features & Benefits

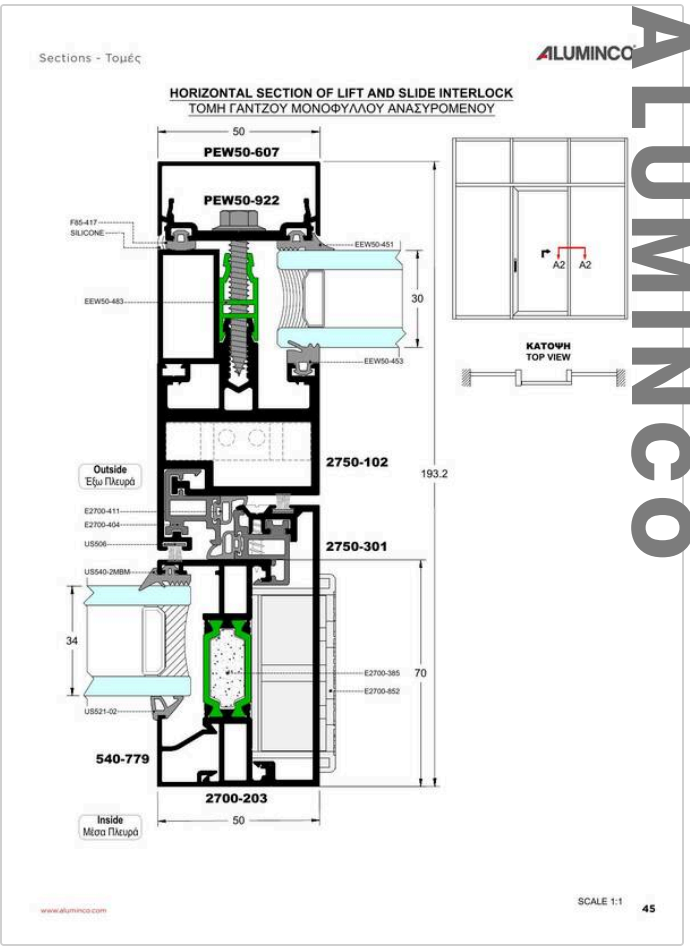
- High level of thermal insulation with 18 mm and 30 mm polyamides and Neocoat EPS technology.
- Modern architectural appearance with only 50 mm visible width of mullions and transoms.
- Maximum functionality for large openings with sash weight capacity up to 400 Kg.
- Wide span structures — lift-and-slide combined with curtain wall for seamless integration.
- Double and triple glazing support from 24 mm to 70 mm glass thickness.
- Three facade versions: Standard, Semi-Structural, and Structural glass.
- Enhanced natural light with wide glazing surfaces and sleek sightlines.
- Exceptional performance for virtually all environments and climatic conditions.
- Perfect choice for high-end residential, commercial and hospitality projects.

Configurations

1Leaf sliding, 2Leaf sliding, Meeting stile
Facade versions: Standard, Semi-Structural, Structural

Glazing Options

GLASS TYPE	U _G	U _W	G	DB
4/16/4 Low - E	1.1	1.3	0.6	30
6/16Ar/44.1 Low - E	1.0	1.2	0.6	39
6/16Ar/P6B Low - E	0.9	1.1	0.6	43
6/16Ar/4/16Ar/6 Low - E (Triple)	0.5	0.7	0.5	36



Horizontal Section — Lift & Slide Interlock (Scale 1:1)

INSULATION	
POLYAMIDES mm	18-30
NEOCOAT EPS	Yes

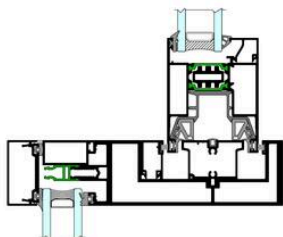
SYSTEM PROFILE DIMENSIONS	
MIN. FACE HEIGHT mm	70.2
FRAME HEIGHT mm	50
MIN. FRAME WIDTH mm	212.5
SASH HEIGHT mm	69 / 74 / 88
INTERLOCK WIDTH mm	50
SASH WIDTH mm	70
MULLION/TRANSOM VISIBLE WIDTH mm	50
GLASS THICKNESS mm	24-70

CONSTRUCTION DIMENSIONS	
MAX. SASH WEIGHT Kg	400

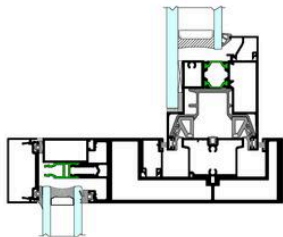
CERTIFICATES / PERFORMANCES	
AIR PERMEABILITY EN 12207	Class 1-4

TYPES AND VARIATIONS OF SL2750

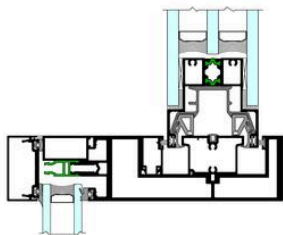
STANDARD GLASS



SEMI STRUCTURAL GLASS



STRUCTURAL GLASS



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Standard / Semi-Structural / Structural glass configurations

WATER TIGHTNESS EN 12208	Class 1A–9A
RESISTANCE TO WIND LOAD EN 12210	Class 1–5
THERMAL INSULATION U_f EN ISO 10077-2	W/m^2K

MATERIAL PROPERTIES

ALLOY	EN AW 6060, T6
ULTIMATE TENSILE STRENGTH R_m	185 N/mm^2
YIELD STRENGTH $R_{p0.2}$	140 N/mm^2
MODULUS OF ELASTICITY E_{al}	70,000 N/mm^2
THERMAL EXPANSION α	0.023 $mm/m \cdot K$

Rate of Insulation

$$U_w = 0.7 \text{ W/m}^2K$$

Best achievable thermal conductivity coefficient with triple glazing 6/16Ar/4/16Ar/6 Low-E, $U_g = 0.5 \text{ W/m}^2K$

QUALITY CERTIFICATIONS

EN ISO 9001:2015 · EN ISO 14001:2015 · ISO 45001:2018 · ISO 50001:2018
 EN 15088:2005 · EN 1090-1:2009 (FPC) · QUALICOAT · EN 15804 (EPD)

