

ESSENCE

SL50 HI² FLAT EDITION

elvial

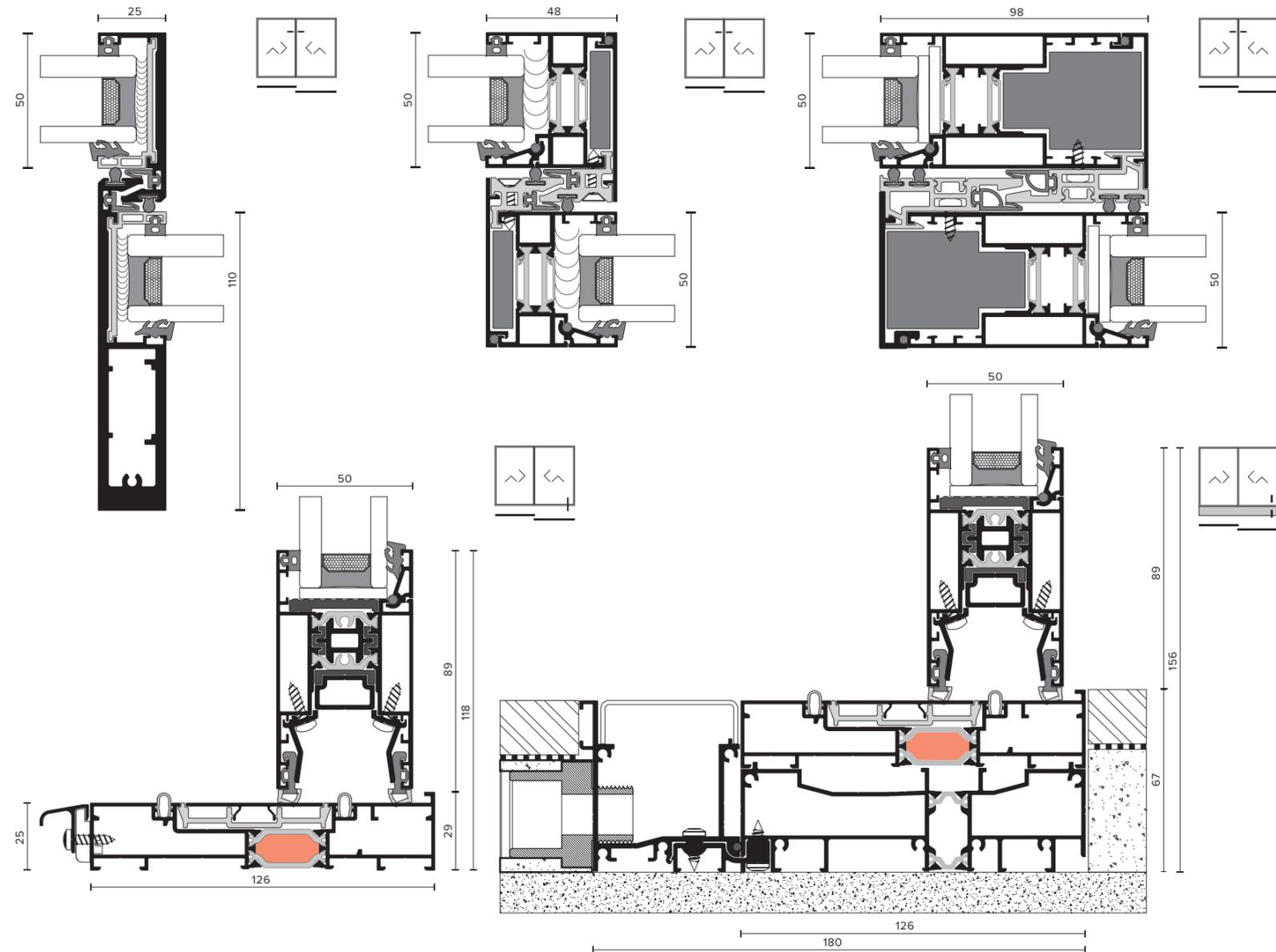


SLIDING SYSTEM

One more edition of aesthetic excellence and functional performance by ELVIAL does not come as a surprise. ESSENCE SL50 HI² FLAT EDITION with a 25mm external and 29mm internal track and a built-in alternative will perfectly frame the limit of a comfortable interior.

ESSENCE

SL50 HI² FLAT EDITION



**LIFT & SLIDE
SUCCESSIVE
CONSTRUCTIONS**

	2-Sash		6-Sash meeting stile with fixed parts
	2-Sash with fixed part		2-Sash angular - Inner angle
	2-Sash with flyscreen		Δίφυλλο γωνιακό - Εξωτερική γωνία
	2-Sash with fixed part and flyscreen		2-Sash angular - Outer angle
	3-Sash		2-Sash angular with flyscreen - Outer angle
	4-Sash meeting stile		3-Sash angular - Inner angle
	4-Sash meeting stile with flyscreen		3-Sash angular - Outer angle
	4-Sash meeting stile with fixed parts and flyscreen		

TECHNOLOGY

THERMAL INSULATION

- 1** **Insulation Bars** are set on all system's tracks
- 2** Complete filling of the middle chamber on all system's tracks using the innovative insulation technology of **ELVIAL I²**
- 3** **A Foam Insulating Profile** (LDPE) is fitted at the perimeter of the glazing zone, minimizing thermal energy loss
- 4** Co-extruded gasket on the bottom part of sashes, sealing the adjoining profile for angular constructions

ADVANCED SEALING SYSTEM

- 1** **Q-LON** in the successive area insulating bars, even in the narrow mullion width edition
- 2** Specially designed **gaskets** that apply effectively in 2 points in the successive area
- 3** **Specially designed gaskets** and vulcanized gasket corners, guaranteeing a high level perimetrical waterproofing of the sash with the track
- 4** Elastometric **central sealants** of excellent design, which fit perfectly on the surface of the aluminium, giving a high sealing performance
- 5** Ghost glazing gaskets minimizes the visible facet and renders the gaskets practically invisible.

EXTRA FEATURES

FUNCTIONALITY

- 1** Handles for unique style
- 2** Handle damper
- 3** Lift assist that reduces the feel of weight
- 4** Options of Silent Close Damping Unit & Stop Damping Unit
- 5** Anti-Jemmy Device



COLORS

- Black
- Inox Satine
- Natural Anodized

IDENTITY

DESIGN

PROPERTIES

PERFORMANCE

ENERGY

COMFORT

Sash Depth		50	mm
Visible Height		118	mm
Successive Middle Mullion Width		98 48 25	mm
Successive Meeting Stile Width		184	mm
Max Sash Height		3.500	mm
Max Sash Width		3.000	mm
Max Sash Weight		400	kg
Max Glass Thickness		[Successive 98 mm & 48 mm] 36 [Successive 25 mm] 34	mm

2-Sash successive construction 6.000 x 3.500 mm	Double glazing, U _g = 1.1 W/m ² K with Swisspacer Ultimate	U_w ≥ 1.42 W/m²K
Air Permeability	EN 12207	Class 4 [600Pa]
Watertightness	EN 12208	E900 [900Pa]
Resistance to Wind Load	EN 12210	B2 [800Pa]
Sound Reduction	EN 14351-1	43dB [44.2/15/66.2] <small>Glazing</small>
Operating Forces	EN 13115	Class 1

SEE LIFE FROM A DIFFERENT
VIEW THROUGH ELVIAL'S
ALUMINIUM SYSTEMS

DISCOVER OUR INNOVATIVE TECH

ELVIAL I² INSULATION TECHNOLOGY
ELVIAL PRE-ANODIZING 2IN1

DISCOVER MORE ARCHITECTURAL SYSTEMS

ICONIC W77 AI²
ICONIC W77BS AI²
ICONIC W77ST AI²

ESSENCE W67 HI²
ESSENCE W67BS HI²
ESSENCE W67ST HI²

ESSENCE SL60 HI²
ESSENCE SL60 HI² FLAT EDITION
ELVIAL SL60 HI² CLASSIC
ELVIAL SL50 HI² CLASSIC

MINIMAL LOOK SL68 AI²
MINIMAL LOOK SL52 HI²
MINIMAL LOOK SL52 HI
INVISIBLE INSIDE-OUT

ELVIAL SL46 SI² CLASSIC
ELVIAL SL46 SI² FLAT EDITION
ELVIAL SL46 SI²_MD

ESSENCE FD77

ICONIC D77 AI²
ESSENCE D67 HI²

ELVIAL FS50
ESSENCE SD55
ESSENCE CLADDING CL180