

ELVIAL

elvial

# SL50 HI<sup>2</sup> CLASSIC



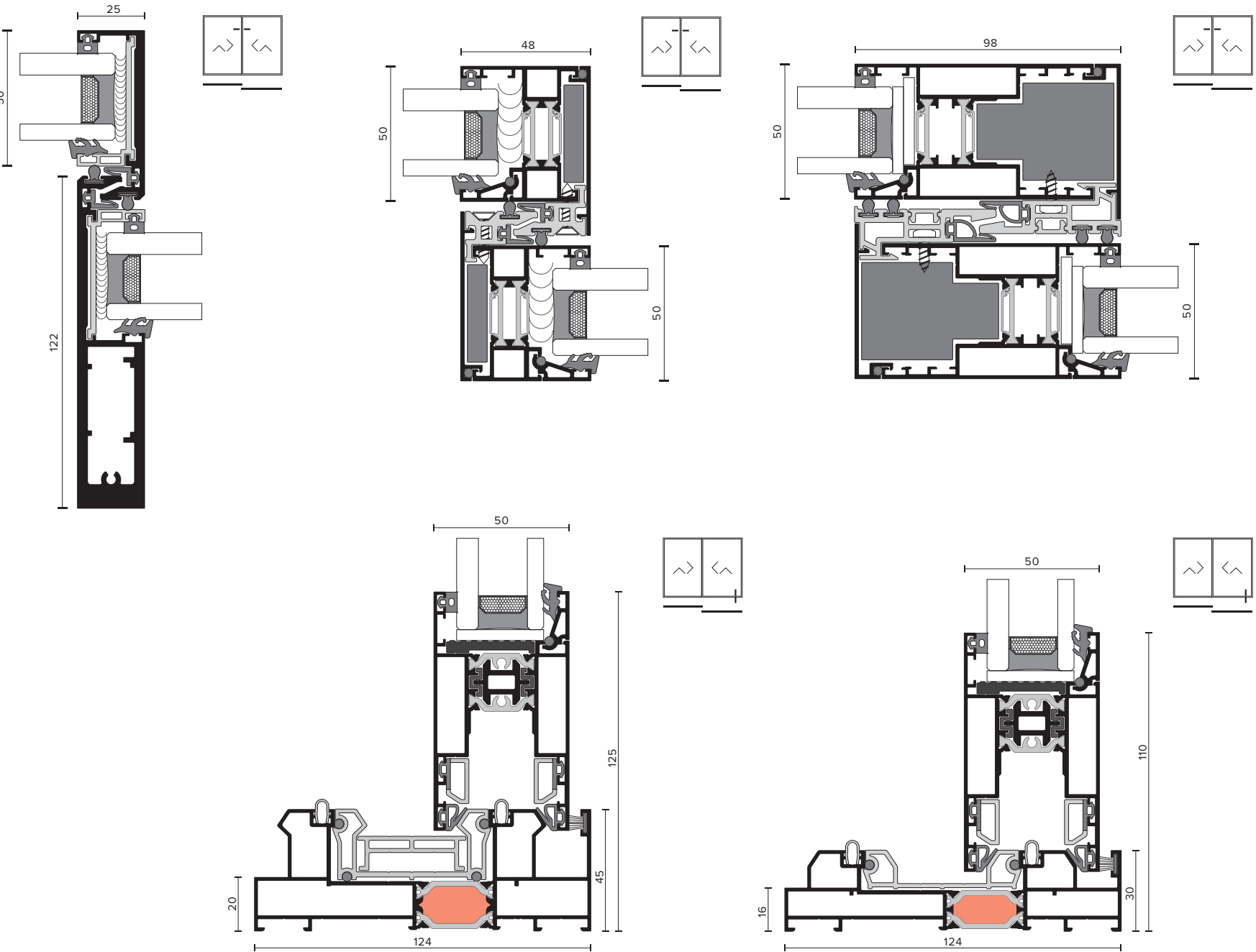
## SLIDING SYSTEM

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With a 25mm mullion width option, linear design, and typologies that meet every architectural demand, it represents a durable and aesthetically pleasing solution for high-end spaces. SL50 HI<sup>2</sup> CLASSIC is the ideal lift and slide and sliding solution for maximum openings, maximum natural light, and absolute construction superiority.

ELVIAL

SL50 HI² CLASSIC



SLIDING AND  
LIFT & SLIDE  
SUCCESSIVE  
CONSTRUCTIONS

INWALL SLIDING  
AND LIFT & SLIDE  
CONSTRUCTIONS

|  |                                                     |  |                                                        |
|--|-----------------------------------------------------|--|--------------------------------------------------------|
|  | 2-Sash                                              |  | 5-Sash with multi-track                                |
|  | 2-Sash with fixed part                              |  | 6-Sash meeting stile with fixed parts                  |
|  | 2-Sash with flyscreen                               |  | 2-Sash angular - Inner angle                           |
|  | 2-Sash with fixed part and flyscreen                |  | 2-Sash angular - Outer angle                           |
|  | 3-Sash                                              |  | 2-Sash angular with flyscreen - Inner angle            |
|  | 3-Sash with fixed part                              |  | 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 |  | 2-Sash with fixed part (hotel edition)                 |
|  | 4-Sash with multi-track                             |  | 3-Sash with fixed parts (hotel edition)                |
|  | 1-Sash inwall                                       |  | 1-Sash inwall with flyscreen and shutter               |
|  | 1-Sash inwall with flyscreen                        |  | 2-Sash inwall meeting stile with flyscreen and shutter |
|  | 1-Sash inwall with shutter                          |  |                                                        |

TECHNOLOGY

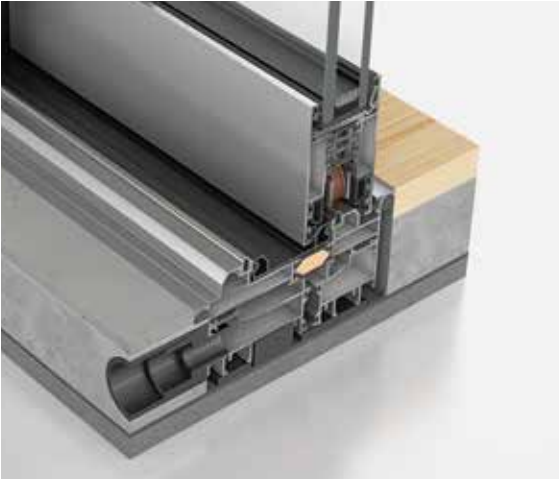
THERMAL  
INSULATION

- 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



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



LIFT & SLIDE EDITION



SLIDING EDITION



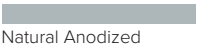
COLORS



Black



Inox Satine



Natural Anodized

IDENTITY

DESIGN

PROPERTIES

ENERGY

COMFORT

PERFORMANCE

|                                                   |  |                               |                  |    |
|---------------------------------------------------|--|-------------------------------|------------------|----|
| Sash Depth                                        |  |                               | <b>50</b>        | mm |
| Visible Height                                    |  | [sash 88 mm]                  | <b>125   110</b> | mm |
|                                                   |  | [sash 72 mm]                  | <b>109   94</b>  | mm |
| Middle Mullion Width<br>Successive                |  | [sash 88 mm]                  | <b>98</b>        | mm |
|                                                   |  | [sash 43 mm]                  | <b>48</b>        | mm |
| Meeting Stile Construction Width<br>Meeting Stile |  | [sash 25 mm]                  | <b>25</b>        | mm |
|                                                   |  | [sash 88 mm]                  | <b>184</b>       | mm |
| Middle Mullion Width<br>Fixed T                   |  | [sash 72 mm]                  | <b>152</b>       | mm |
|                                                   |  | [sash 88 mm]                  | <b>98</b>        | mm |
|                                                   |  | [sash 43 mm]                  | <b>48</b>        | mm |
|                                                   |  |                               |                  |    |
| Max Sash Height                                   |  |                               | <b>3.500</b>     | mm |
| Max Sash Width                                    |  |                               | <b>3.000</b>     | mm |
| Max Sash Weight                                   |  |                               | <b>400</b>       | kg |
| Max Glass Thickness                               |  | [mullion width 98 mm & 48 mm] | <b>36</b>        | mm |
|                                                   |  | [mullion width 25 mm]         | <b>34</b>        | mm |

|                                                    |                                                            |                                             |
|----------------------------------------------------|------------------------------------------------------------|---------------------------------------------|
| 2-Sash successive construction<br>6.000 x 3.500 mm | Double glazing, Ug = 1.1 W/m²K<br>with Swisspacer Ultimate | <b>Uw ≥ 1.35 W/m²K</b>                      |
| Air Permeability                                   | EN 12207                                                   | <b>Class 4</b> [ 600Pa ]                    |
| Watertightness                                     | EN 12208                                                   | <b>E900</b> [ 900Pa ]                       |
| Resistance to Wind Load                            | EN 12210                                                   | <b>C3/B3</b> [ 1.200Pa ]                    |
| Sound Reduction                                    | EN 14351-1                                                 | <b>44dB</b> <sup>Glazing</sup> 44.2/15/66.2 |
| Operating Force                                    | EN 13115                                                   | <b>Class 1</b>                              |

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

**DISCOVER OUR INNOVATIVE TECH**

ELVIAL I<sup>2</sup> INSULATION TECHNOLOGY  
ELVIAL PRE-ANODIZING 2IN1

**DISCOVER MORE  
ARCHITECTURAL SYSTEMS**

ICONIC W77 AI<sup>2</sup>  
ICONIC W77BS AI<sup>2</sup>  
ICONIC W77ST AI<sup>2</sup>

ESSENCE W67 HI<sup>2</sup>  
ESSENCE W67BS HI<sup>2</sup>  
ESSENCE W67ST HI<sup>2</sup>

ESSENCE SL60 HI<sup>2</sup>  
ESSENCE SL60 HI<sup>2</sup> FLAT EDITION  
ELVIAL SL60 HI<sup>2</sup> CLASSIC  
ESSENCE SL50 HI<sup>2</sup> FLAT EDITION

MINIMAL LOOK SL68 AI<sup>2</sup>  
MINIMAL LOOK SL52 HI<sup>2</sup>  
MINIMAL LOOK SL52 HI  
INVISIBLE INSIDE-OUT

ELVIAL SL46 SI<sup>2</sup> CLASSIC  
ELVIAL SL46 SI<sup>2</sup> FLAT EDITION  
ELVIAL SL46 SI<sup>2</sup>\_MD

ESSENCE FD77

ICONIC D77 AI<sup>2</sup>  
ESSENCE D67 HI<sup>2</sup>

ELVIAL FS50  
ESSENCE SD55  
ESSENCE CLADDING CL180