

ELVIAL

# W59 SI<sup>2</sup>

elvial



## OPENING SYSTEM

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Imagine a place where novelties and custom co-exist in a wonderful accord, where everything is measured by how it achieves a balance between antagonistic elements, and where what you imagine can be realized and shared with a community. This is the inspiration we drew upon to create W59 SI<sup>2</sup>.



## TECHNOLOGY

### THERMAL INSULATION

- 1 **24mm** Insulating Bars
- 2 Glazing Gaskets with **Fins**
- 3 **ELVIAL I<sup>2</sup>** \_ Innovative Insulation Technology
- 4 Foam **Insulating** Profile

### SEALING SYSTEM

- 1 Optimal 3-level Waterproofing with specially designed **EPDM** and Co-extruded Gasket
- 2 **Drainage** Channels
- 3 **EPDM** Gasket Corners
- 4 **EPDM** Accessory for Adjoining Profile End Cap

## EXTRA FEATURES

### HANDLES FOR UNIQUE STYLE



### COLORS



## ENERGY LEVELS



Level 1  
\*Uf:  $\geq 2.3$  W/m<sup>2</sup>K



Level 2  
\*Uf:  $\geq 2.0$  W/m<sup>2</sup>K

\*Energy performances concern the specific sash-frame combination



Level 3  
\*Uf:  $\geq 1.9$  W/m<sup>2</sup>K

## IDENTITY

### DESIGN

### PROPERTIES

## PERFORMANCE

### ENERGY

### COMFORT

### NAFS

\*For fixed and inward - outward opening

Frame Depth		<b>59</b>	mm
Min Face Height Frame - Sash		<b>94</b>	mm
Min Face Height Threshold - Sash		<b>107</b>	mm
Min Face Height Middle Mullion		<b>156</b>	mm
Max Sash Height		<b>2.300</b>	mm
Max Sash Width		<b>1.000</b>	mm
Max Sash Weight		<b>130</b>	kg
Max Glass Thickness		<b>46</b>	mm

**ELVIAL W59 SI<sup>2</sup>** offers you endless solutions in both European groove mechanism **[CE]** and Multilock groove mechanism **[ML]**

Thermal Insulation Uf	EN ISO 10077-2	<b><math>\geq 1.8</math> W/m<sup>2</sup>K</b>
2-Sash Construction 2.000 x 2.200 mm	Triple Glazing, Ug = 0.5 W/m <sup>2</sup> K with Swisspacer Ultimate Pro	<b>Uw <math>\geq 0.92</math> W/m<sup>2</sup>K</b>
Air Permeability	EN 12207	<b>Class 4</b> [ 600Pa ]
Watertightness	EN 12208	<b>E1650</b> [ 1.650Pa ]
Resistance to Wind Load	EN 12210	<b>C5 / B5</b> [ 2.000Pa ]
Sound Reduction	EN 10140-2	<b>40dB</b> <sup>Glazing</sup> 33.1/16/44.1
AAMA Rating		<b>Class CW*</b>
PG Rating		<b>100*</b>

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

## **DISCOVER OUR INNOVATIVE TECHNOLOGIES**

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

## **DISCOVER MORE ALUMINIUM SYSTEMS**

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

ELVIAL W60BS SI<sup>2</sup>

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

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

ELVIAL SL33\_MD

ESSENCE D67 HI<sup>2</sup>

ESSENCE SD55  
ESSENCE CLADDING CL180