

ICONIC

W77 AI²

elvial



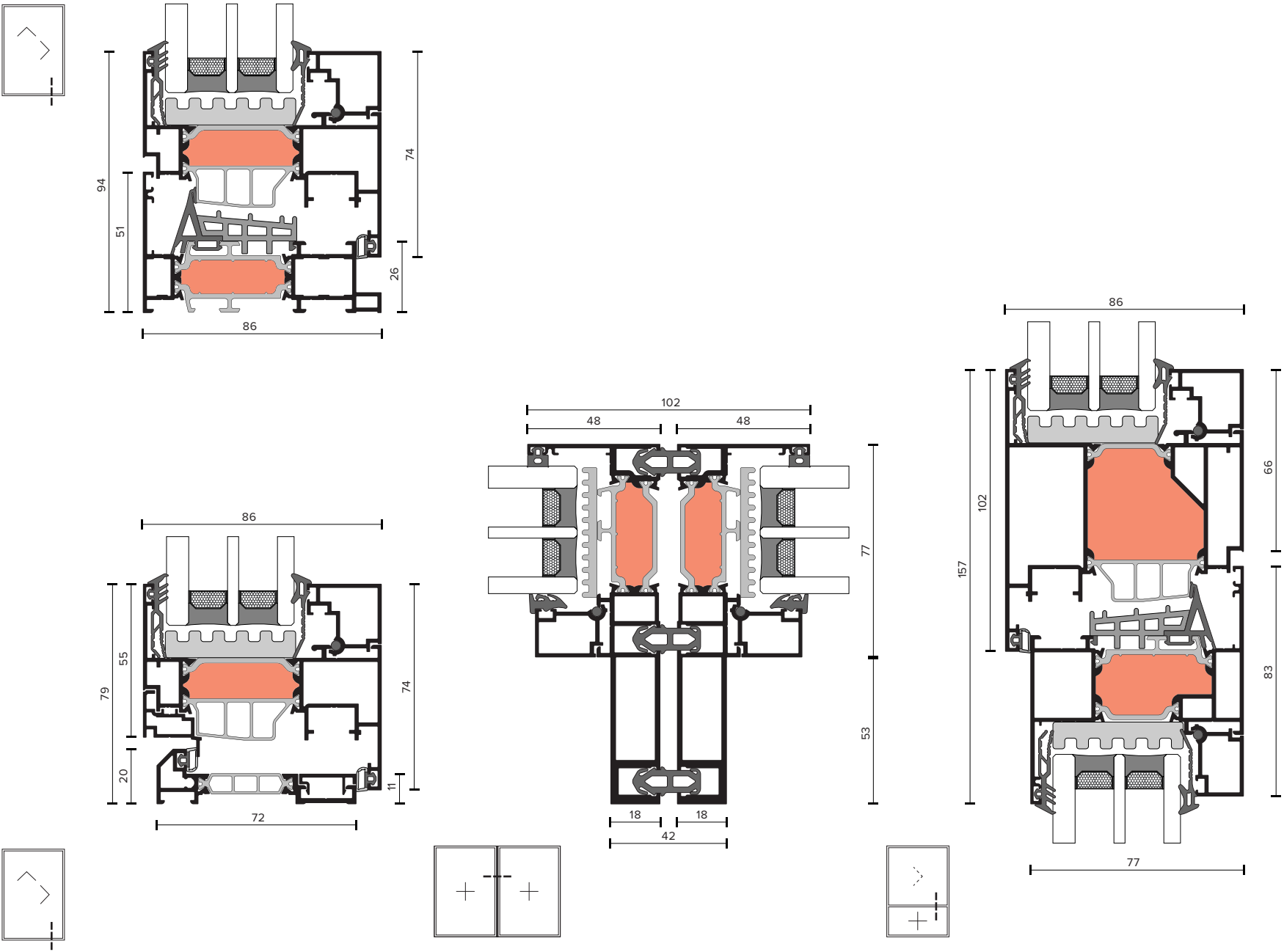
OPENING SYSTEM

We designed the ICONIC W77 AI² collection and incorporated the most advanced technologies in terms of energy efficiency, sealing and security, creating design solutions for iconic architectural projects.

ICONIC

W77 AI²

Open up to new fields. Explore new possibilities.
Disregard scale and circumstance.
This flexible and adaptable solution, is ideal.
Design and construct projects that will make a difference.



INWARD
OPENING
CONSTRUCTIONS

	Single sash fixed		Double sash fixed
	Single sash fixed with skylight		Double sash opening
	Single sash opening		Double sash tilt & turn
	Single sash tilt & turn		Single sash tilt & turn with fixed parts using contractions and expansions
	Single sash fixed tilt & turn		

OUTWARD
OPENING
CONSTRUCTIONS

	Single sash opening window door
	Double sash opening window door
	Single sash opening window door with fixed part
	Single sash projected
	Special typology window wall

TECHNOLOGY

THERMAL
INSULATION

- 1 **42mm** Insulating Bars with glass fiber re-enforcement **25%**
- 2 **ELVIAL I²** _ Innovative Insulation Technology
- 3 **Co-Extruded** Gasket
- 4 Foam **Insulating** Profile

ADVANCED
SEALING SYSTEM

- 1 Optimal 3-Level Waterproofing with specially designed **EPDM** and Co-extruded Gaskets
- 2 **EPDM** Gasket Corners
- 3 **EPDM** End Caps for **Adjoining Profile**

INNOVATION

- 1 **Ghost Glazing Gaskets** Minimizes the visible facet and renders the gaskets practically invisible

EXTRA
FEATURES

HANDLES FOR UNIQUE
STYLE



COLORS



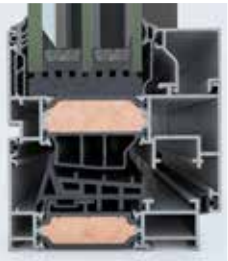
ENERGY LEVELS



Level **1**
Uf: **≥1.6** W/m²K



Level **2**
Uf: **≥0.86** W/m²K



Level **3**
Uf: **≥0.74** W/m²K

IDENTITY

DESIGN

PROPERTIES

PERFORMANCE

ENERGY

COMFORT

NAFS

*For fixed and inward - outward opening

Frame Depth		77	mm
Min Face Height Frame - Sash		89	mm
Min Face Height Threshold - Sash		79	mm
Min Face Height Middle Mullion		154	mm
Max Sash Height		2.800	mm
Max Sash Width		1.400	mm
Max Sash Weight		180	kg
Max Glass Thickness		70	mm

ICONIC W77 AI² offers you endless solutions in both European groove mechanism **[CE]** and Multilock groove mechanism **[ML]**

Thermal Insulation Uf	EN ISO 10077-2	≥0.74 W/m²K
Air Permeability	EN 12207	Class 4 [600Pa]
Watertightness	EN 12208	E1200 [1.200Pa]
Resistance to Wind Load	EN 12210	C5 / B5 [2.000Pa]
Sound Reduction	EN 10140-2	50 dB ^{Glazing} 88.2/24/66.2
AAMA Rating		Class AW*
PG Rating		100*

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 W77BS AI²
ICONIC W77ST AI²

ESSENCE W67 HI²
ESSENCE W67BS HI²
ESSENCE W67ST HI²

MINIMAL LOOK SL68 AI²
MINIMAL LOOK SL52 HI²
MINIMAL LOOK SL52 HI
AOPATO MEΣA & EΞΩ

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

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

ESSENCE FD77

ICONIC D77 AI²
ESSENCE D67 HI²

ESSENCE SD55
ESSENCE CLADDING CL180