

77IW Open-In Window System



Our highest performing window, the 77IW Open-In Window System is ideal for new build and refurbishment developments. The versatility of the system also makes it suitable for use in both high-rise and low-rise buildings. The system has been specifically designed to meet the most demanding British and European performance requirements in terms of thermal, weathering and security.

Modern contemporary styles and a wide variety configurations delivering high levels of thermal performance through incorporating technologies such as high performance polyamides, insulated centre seals and profile foam insertions. The 77IW system also fully integrates with our curtain walling and door systems.

For optimal design flexibility, the 77IW is available in single or dual colour options, including any RAL colour and anodised finishes.



DESIGN FEATURES

- › High levels of thermal performance
- › Multi chamber polyamide thermal breaks, insulated centre seals and foam insertions provide excellent performance
- › Integrates with AluK curtain wall and door systems
- › Dedicated groove for factory mounting of membranes ensuring air, wind and water performance
- › 77mm frame depth
- › Suites with open-out system
- › Concealed window available

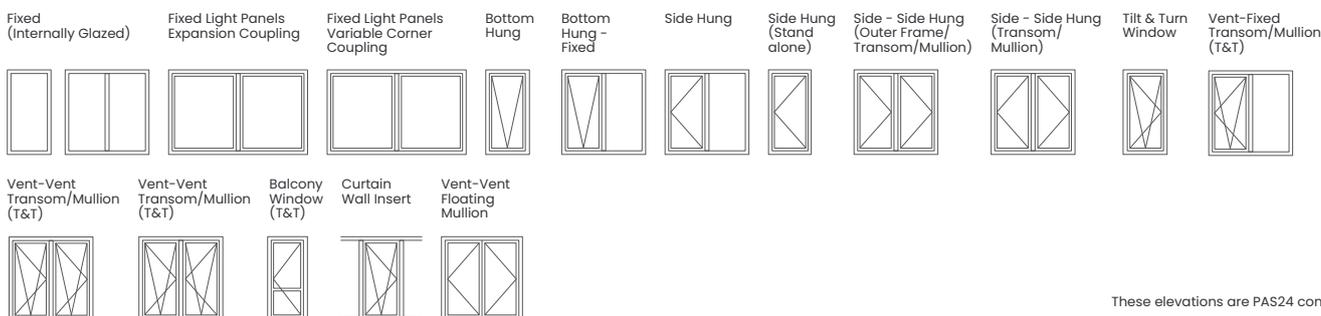
OPTIONS

- › Wide variety of configurations
- › Range of locking options with patented AluK Groove
- › Dedicated profile to accommodate trickle ventilation
- › Choice of restrictors
- › Customisable in almost every possible single or dual colour polyester powder coating, textured or anodised finish available
- › Enhanced PAS24 security tested solutions
- › Incorporates the AluK Novaue handle design range for suited windows and doors

SPECIFICATIONS

Performance and accreditations	77IW
U-Value (Double Glazing) 1.0 CP	1.2 W/m ² K
U-Value (Triple Glazing) 0.4 CP	0.8 W/m ² K
Air Permeability	Class 4 (600 Pa)
Water Tightness	E1050 (1200 Pa)
Wind Resistance	C5 (2000 Pa)
Security	PAS 24 & SBD
3rd Party Certification Q-Mark	✓
System	
Depth	77mm
Configurations	
Side Hung	✓
Bottom Hung	✓
Tilt & Turn	✓
Weight limits	
Side Hung	
Max Size (mm)	1400w x 2350h (See Technical Manual)
Min. Size (mm)	500w x 600h (See Technical Manual)
Max Weight	100kg (See Technical Manual)
Bottom Hung	
Max Size (mm)	2000w x 1800h (See Technical Manual)
Min. Size (mm)	460w x 500h (See Technical Manual)
Max Weight	80kg (See Technical Manual)
Tilt & Turn	
Max Size (mm)	1500w x 2200h (See Technical Manual)
Min. Size (mm)	460w x 550h (See Technical Manual)
Max Weight	130kg (See Technical Manual)
Glazing	
Glazing Thickness	24mm – 50mm
System features	
Single Colour	✓
Dual Colour	✓
Textured Finish	✓
Anodised Finish	✓
Multi-Point / Single Locking	Multi-Point
Standard Hardware Groove	AluK IW Groove
EPDM Groove	✓
Locking Handles	✓
Espagnolette Handle	✓
Punched Out Openings	✓
100mm Restriction	✓
Trickle Ventilation	✓
Reverse Glazing Adapter	✓
Z-profile	✓
Variable Angle Corner Post	✓

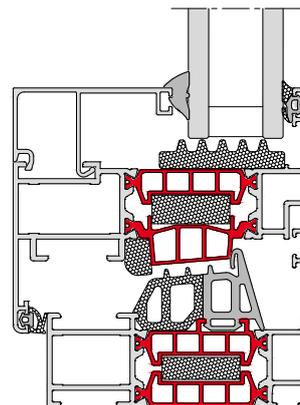
CONFIGURATIONS



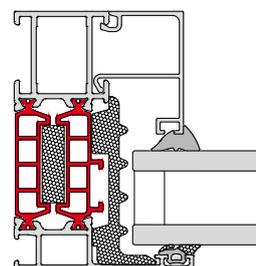
CAD CROSS SECTIONS AND THERMAL PROFILE

Additional details are available on request.

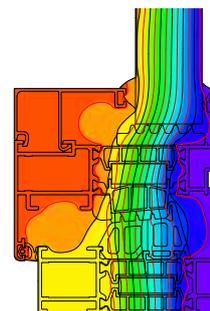
77IW VENT



77IW FIXED LIGHT



77IW DOUBLE GLAZED UNIT



UF = 1.4 W/m²K

These elevations are PAS24 compliant.