



72BW/BD WINDOW AND DOOR SYSTEM

The 72BW/BD is a three chamber aluminium window and door system that offers high performance alongside a wide range of adaptable features, formats and configurations to meet the demands of your project.

DESIGN FEATURES

- Three chamber high performance window and door system
- Windows available in three different styles (Soft Line/Flush/Picture Frame)
- Options available to increase thermal performance without changing profiles
- Both aluminium and PVC groove hardware available
- All certified under Secured by Design scheme

OPTIONS

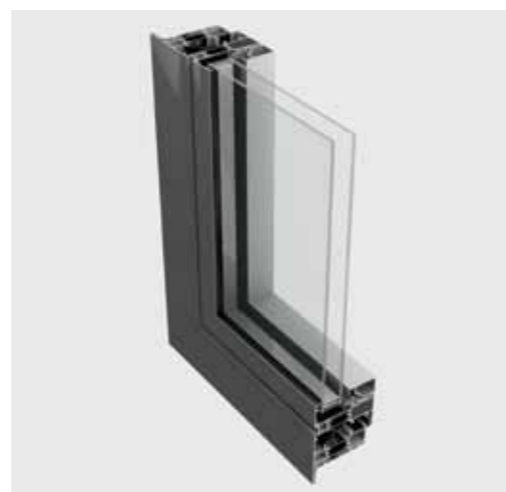
- Windows and doors can be manufactured to suit any configuration, style and design
- Full range of high quality hardware available
- Glazing sizes from 25mm - 65mm
- Wide range of security locking mechanisms to fully customise your window or door
- Available in single or dual colour option, polyester powder coating and anodised finishes

WINDOW CONFIGURATIONS

- Single & Double Casement
- Side Hung & Bottom Hung (Open In)
- Tilt/Turn & Turn/Tilt
- Tilt & Slide
- Vertical & Horizontal Pivots
- Parallel opening vents
- Lifetime Homes (LTH)

DOOR CONFIGURATIONS

- Single Doors (Open In)
- Single Doors (Open Out)
- Double Doors (Open In)
- Double Doors (Open Out)



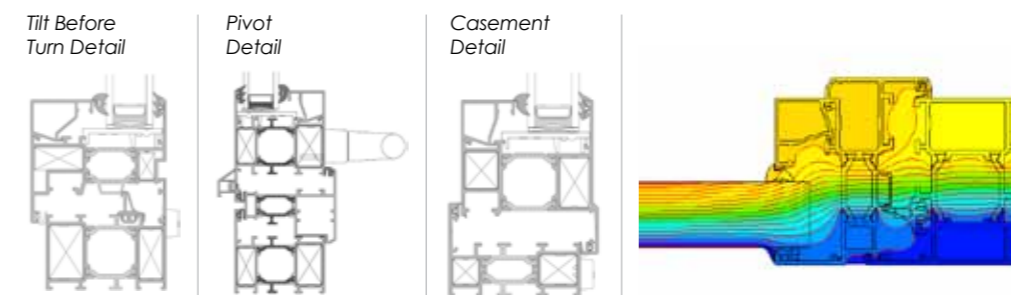
72BW/72BD WINDOW AND DOOR SYSTEM TECHNICAL SPECIFICATIONS

The 72BW/BD window and door system is available in a wide range of formats, configurations and styles to provide the perfect solution for your project. Combining high performance with stylish design, this fit for purpose window and door system is tried

and tested, exceeding many industry standards for safety and security. All systems have received 3rd party certification under the BSI Kitemark scheme. Anodised finishes are also available with marine grade guarantees on request.

SPECIFICATIONS	OUTWARD OPENING	INWARD OPENING	PIVOT	PARALLEL OPENING VENT	SINGLE & DOUBLE DOOR
Performance & Accreditation					
U-Value (Double Glazing)*	1.7 W/m²K	1.7 W/m²K	1.8 W/m²K	1.7 W/m²K	1.7 W/m²K
U-Value (Triple Glazing)**	1.4 W/m²K	1.3 W/m²K	1.5 W/m²K	1.3 W/m²K	1.3 W/m²K
Window Energy Rating (WER)	npd	npd	npd	npd	npd
Green Guide Rating	B Rated	B Rated	B Rated	B Rated	B Rated
Acoustic Performance (dB)	Rw (C;Ctr) 40 (-2;-6) dB	Rw (C;Ctr) 40 (-2;-6) dB	npd	npd	Rw (C;Ctr) 35 (-2;-5) dB
Air Tightness (Pa)	Class 4	Class 4	Class 4	Class 4	Class 4
Water Tightness (Pa)	Class E2000	Class 7a	Class 6a	Class E1950	Class E750
Wind Load (Pa)	Class 4	Class 4	Class 4	Class E2400	Class 4
Security	EN 1627	EN 1627	EN 1627	npd	npd
Secured By Design	Yes	Yes	No	No	No
Configurations					
Opening	Open Out	Open In	Open Out	Open Out	Open In & Open Out
Top Hung	●	--	--	--	--
Side Hung	●	--	--	--	--
Bottom Hung	●	●	--	--	--
Fixed Light	●	●	●	●	●
Multilight	●	--	--	●	--
Tilt & Turn	--	●	--	--	--
Life Time Homes (LTH)	--	●	--	--	--
Tilt & Slide	--	●	--	--	--
Vertical Pivot	--	--	●	--	--
Horizontal Pivot	--	--	●	--	--
Parallel Opening Vent	--	--	--	●	--
Size Limits					
Max Vent Weight	--	--	--	--	100 Kg
Top Hung	90 Kg	--	--	--	--
Side Hung	130 Kg	--	--	--	--
Bottom Hung	90 Kg	100 Kg	--	--	--
Fixed Light	250 Kg	--	--	250 Kg	--
Tilt & Turn	--	130 Kg	--	--	--
Life Time Homes (LTH)	--	100 Kg	--	--	--
Tilt & Slide	--	100 Kg	--	--	--
Vertical Pivot	--	--	120 Kg	--	--
Horizontal Pivot	--	--	180 Kg	--	--
Parallel Opening Vent	--	--	--	200 Kg	--
System Features					
Frame Options	72mm	72mm	72mm	105mm	72mm
Dual Colour Option	●	●	●	●	●
Multi-Point Locking	●	●	●	●	●
Glazing Options	Internal	Internal	Internal	Internal	Internal
Glazing Thickness	13mm - 57mm	18mm - 66mm	13mm - 57mm	8mm - 56mm	13mm - 57mm

CAD CROSS SECTION AND THERMAL PROFILE



* Window Energy Ratings and U-Values based on CEN size windows (1230mm x 1480mm) using 1.2 W/m²K double glazing with warm edge Swisspacer V bar. ** U-Values based on CEN size windows (1230mm x 1480mm) using 0.7 W/m²K triple glazing with warm edge Swisspacer V bar. Corresponds to the BRE Global Green Guide online generic specification for commercial windows and achieves a summary rating of B-E. www.thegreenguide.org.uk Element Number 831500018/831500006. Sound insulation values are Rw reduction values and are based on tests using acoustic glazing.

Please note: NBS Specifications are available for all products and BIM Components for many. Please visit www.aluk.co.uk to download CAD files, BIM Components and NBS Specifications.