



Optio

# 58BD Flush Entrance Door

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**ALUK**<sup>®</sup>

# 58BD Flush Entrance

The contemporary modern door system. Available in variety of formats, with slim sightlines and flush aesthetics.



## SPECIFICATIONS

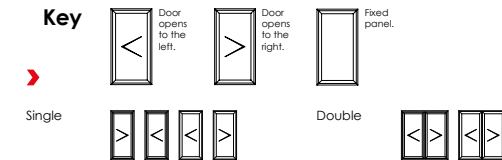
Performance and accreditation	Single open in	Single open out	Double open in	Double open out
Air permeability (Pa)	Class 2 (300 Pa)	Class 2 (300 Pa)	Class 2 (300 Pa)	Class 1 (150 Pa)
Water tightness (Pa)	9A (600 Pa)	E1950 (1950 Pa)	4A (150 Pa)	7A (300 Pa)
Wind resistance (Pa)	Class A3 (1200 Pa)	Class A3 (1200 Pa)	C2 (800 Pa)	C2 (800 Pa)
Building regulations part L compliant	✓	✓	✓	✓
Building regulations part M compliant	✓	✓	✓	✓
Security	PAS 24	PAS 24	PAS 24	PAS 24
U-value (double glazing) (Ug: 1.0 W/m2k) <sup>1</sup>	1.6 W/m2K	1.7 W/m2K	1.6 W/m2K	1.6 W/m2K
U-value (triple glazing) (Ug: 0.7 W/m2k) <sup>2</sup>	1.4 W/m2K	1.4 W/m2K	1.4 W/m2K	1.4 W/m2K
3rd party certification	Q-mark	Q-mark	Q-mark	Q-mark
Durability EN 1191 category (cycles)	50,000	50,000	50,000	50,000
<b>System depth</b>				
Units (mm)	58 / 70 mm	58 / 70 mm	58 / 70 mm	58 / 70 mm
<b>Design features</b>				
Thermally broken	✓	✓	✓	✓
Sightlines	109 mm min 119 mm max	109 mm min 119 mm max	175 mm (Meeting Stile)	175 mm (Meeting Stile)
Feature design - rounded contours lines	✓	✓	✓	✓
Panel door	✓	✓	✓	✓
<b>Hardware</b>				
Multi point locking	✓	✓	✓	✓
Barrel hinges	✓	✓	✓	✓
<b>Finishes</b>				
Single colour	✓	✓	✓	✓
Dual colour	✓	✓	✓	✓
Textured	✓	✓	✓	✓
Anodised	✓	✓	✓	✓
<b>Maximum sizes &amp; weights</b>				
Maximum door leaf size (mm)	1200 x 2400	1200 x 2400	2400 x 2400	2400 x 2400
Maximum door leaf weight	2 Hinges 100 Kg 3 Hinges 125 Kg 4 Hinges 150 Kg	2 Hinges 100 Kg 3 Hinges 125 Kg 4 Hinges 150 Kg	2 Hinges 100 Kg 3 Hinges 125 Kg 4 Hinges 150 Kg	2 Hinges 100 Kg 3 Hinges 125 Kg 4 Hinges 150 Kg
Maximum glazing thickness	24 - 40 mm	24 - 40 mm	24 - 40 mm	24 - 40 mm
<b>Applications</b>				
New build	✓	✓	✓	✓
Refurbishment	✓	✓	✓	✓

<sup>1</sup> U-value in accordance EN 10077-2, single door size 1000mm x 2180mm.  
<sup>2</sup> U-value in accordance EN 10077-2, double door size 2000mm x 2180mm.  
 U-values based on CEN size door (1000mm x 2180mm) using 1.0 W/m2K double glazing with warm edge Swisspacer V bar.  
 All weather test data taken from BS EN 6375-1 based upon the highest performing door configuration.

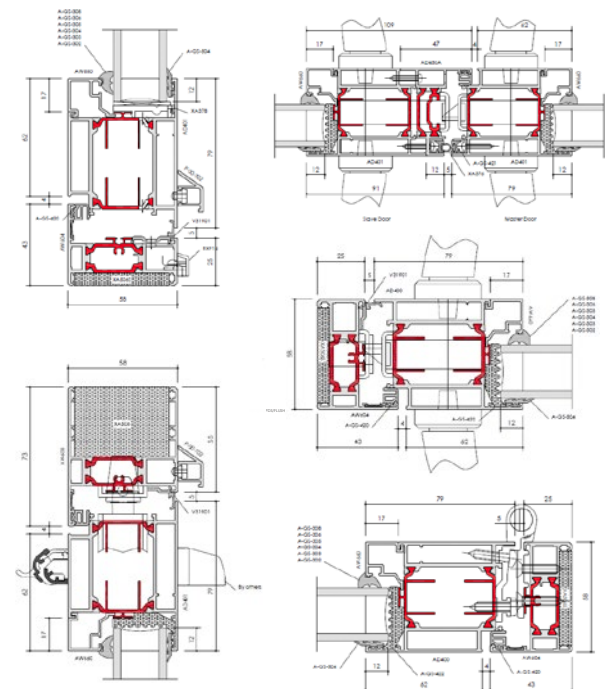
## DESIGN FEATURES AND OPTIONS

- Accepts 24mm – 40mm double or triple glazing
- Max weigh based upon:  
2 Hinges 100 Kg, 3 Hinges 125 Kg, 4 Hinges 150 Kg
- Max Frame Height 2400mm
- Multi-point locking mechanism
- Available in single and dual colour

## 58BD CONFIGURATIONS



## CAD CROSS SECTIONS



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