



## 58BD Door System

Suitable for both new build and refurbishment projects, the 58BD is ideal for light and medium-duty use and is available in a wide range of styles and formats. Designed for optimal security and flexibility, every door in the range is available in single and double configurations.

Certified under Secured By Design and fully PAS 24 tested, the system includes glazing options of 24mm–40mm with two frame depths available: 58mm or 70mm. The 58BD is available in single or dual colour options, with a choice of anodised finishes also available.



### DESIGN FEATURES

- Certified under the Secured By Design scheme
- Tested to PAS 24
- Multi-point locking mechanism
- Designed to incorporate standard and security hardware using the same prep detail
- Cloaking feature conceals lock and prevents any access to locking points
- Suites with window profile to give ultimate design flexibility
- Slim profile design

### OPTIONS

- Glazing 24mm–40mm
- Available in two frame depths, 58mm or 70mm, to accommodate varying types of applications
- Available in single or dual colour polyester powder coating, texture and anodised finishes
- Available for new build or refurbishment projects
- Available in single or double door configuration
- Available in open-in and open-out options

## SPECIFICATIONS

	Single Open-In	Single Open-Out	Double Open-In	Double Open-Out
<b>PERFORMANCE AND ACCREDITATIONS</b>				
U-Value (Double Glazing) (Ug: 1.0 W/m²K)	1.7 W/m²K	1.7 W/m²K	1.7 W/m²K	1.7 W/m²K
U-Value (Triple Glazing) (Ug: 0.7 W/m²K)	1.4 W/m²K	1.4 W/m²K	1.5 W/m²K	1.5 W/m²K
Air Permeability	Class 4 (600 Pa)	Class 4 (600 Pa)	Class 2 (300 Pa)	Class 2 (300 Pa)
Water Tightness	Class 3a (100 Pa)	Class 7a (300 Pa)	Class 7a (300 Pa)	Class 9a (600 Pa)
Wind Resistance	Class A3 (1200 Pa)	Class AE2400 (2400 Pa)	Class A2400 (2400 Pa)	Class A2400 (2400 Pa)
Building Regulations Part L Compliant	✓	✓	✓	✓
Building Regulations Part M Compliant	✓	✓	✓	✓
Security	PAS 24 & SBD			
Durability EN1191 Category	50,000 Cycles	50,000 Cycles	50,000 Cycles	50,000 Cycles
3rd Party Certification Q-Mark	✓	✓	✓	✓
<b>SYSTEM</b>				
Depth	58mm - 70mm	58mm - 70mm	58mm - 70mm	58mm - 70mm
<b>SIZE AND WEIGHT LIMITS</b>				
Maximum Door Size (mm)	1200w x 2400h	1200w x 2400h	2400w x 2400h	2400w x 2400h
Maximum Door Weight	3 Hinges 67.5kg 4 Hinges 90kg			
<b>GLAZING</b>				
Glazing Thickness	24mm-40mm	24mm-40mm	24mm-40mm	24mm-40mm
<b>SYSTEM FEATURES</b>				
Single Colour	✓	✓	✓	✓
Dual Colour	✓	✓	✓	✓
Textured Finish	✓	✓	✓	✓
Anodised Finish	✓	✓	✓	✓
Thermally Broken	✓	✓	✓	✓
Sightline (Head)	129.5mm	129.5mm	129.5mm	129.5mm
Sightline (Cill)	111mm	111mm	111mm	111mm
Sightline (Jamb)	129.5mm	129.5mm	129.5mm	129.5mm
Sightline (Meeting Stile)	n/a	n/a	209.5mm	209.5mm
Panel Door	✓	✓	✓	✓
Multi-Point Locking	✓	✓	✓	✓
Barrel Hinges	✓	✓	✓	✓
Low Threshold	✓	✓	✓	✓
<b>APPLICATIONS</b>				
New Build	✓	✓	✓	✓
Refurbishment	✓	✓	✓	✓

## CONFIGURATIONS

Single Door



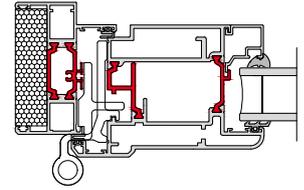
Double Door



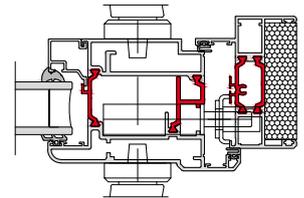
## CAD CROSS SECTIONS AND THERMAL PROFILE

Additional details are available on request.

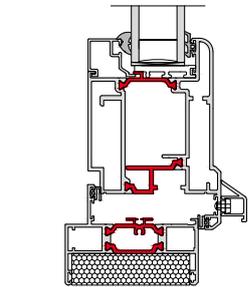
58BD Hinge Jamb



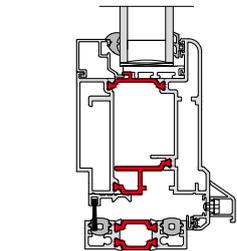
58BD Locking Stile



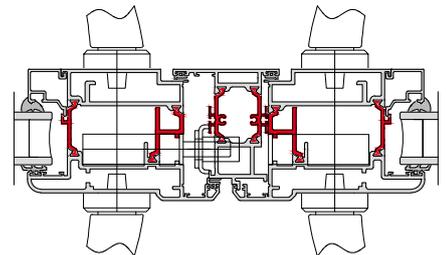
58BD Threshold



58BD Low Threshold



58BD Meeting Stile



58BD Thermal Profile

