


# 58BD HI
# Entrance Door



Available in a wide range of styles and formats, our stylish aluminium entrance door system is suitable for both light and medium-duty use.

Designed with security and flexibility front of mind, every door in the range is available in single and double configurations making them ideal for almost any application.

## DESIGN FEATURES

- Certified under the Secured By Design scheme
- Tested to PAS 24
- Multi-point locking mechanism
- Cloaking feature on slave door conceals lock and prevents any access to locking points
- Eurogroove hardware fitting
- Security feature includes anti-lift feature built into the hinge

## OPTIONS

- Glazing 24mm – 40mm
- 58mm or 70mm frame depth to accommodate varying types of applications
- Low threshold option
- Available in a range of single or dual colour and anodised finishes
- Available for new build or refurbishment projects
- Available in single or double door configuration

ALUK.CO.UK

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## SPECIFICATIONS

| | Single Open-In | Single Open-Out | Double Open-In | Double Open-Out |
|---|---|---|---|---|
| **Performance*and accreditations** | | | | |
| U-Value (Double Glazing) (Ug: 1.0 W/m²K) | 1.3 W/m²K | 1.3 W/m²K | 1.3 W/m²K | 1.3 W/m²K |
| U-Value (Triple Glazing) (Ug: 0.7 W/m²K) | 1.1 W/m²K | 1.1 W/m²K | 1.1 W/m²K | 1.1 W/m²K |
| Air Permeability | Class 4 (600 Pa) | Class 4 (600 Pa) | Class 3 (600 Pa) | Class 3 (600 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 A3 (1200 Pa) | Class A4 (1600 Pa) |
| Building Regulations Part L Compliant | ✓ | ✓ | ✓ | ✓ |
| Building Regulations Part M Compliant | ✓ | ✓ | ✓ | ✓ |
| Security | PAS 24 & SBD | PAS 24 & SBD | PAS 24 & SBD | PAS 24 & SBD |
| Durability EN1191 Category | 50,000 Cycles | 50,000 Cycles | 50,000 Cycles | 50,000 Cycles |
| 3rd Party Certification Q-Mark | ✓ | ✓ | ✓ | ✓ |
| **System** | | | | |
| Depth | 58mm - 70mm | 58mm - 70mm | 58mm - 70mm | 58mm - 70mm |
| **Size and weight limits** | | | | |
| 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 | 3 Hinges 67.5kg 4 Hinges 90kg | 3 Hinges 67.5kg 4 Hinges 90kg | 3 Hinges 67.5kg 4 Hinges 90kg |
| **Glazing** | | | | |
| Glazing Thickness | 24mm-40mm | 24mm-40mm | 24mm-40mm | 24mm-40mm |
| **System Features** | | | | |
| Single Colour | ✓ | ✓ | ✓ | ✓ |
| Dual Colour | ✓ | ✓ | ✓ | ✓ |
| Textured Finish | ✓ | ✓ | ✓ | ✓ |
| Anodised Finish | ✓ | ✓ | ✓ | ✓ |
| Thermally Broken | ✓ | ✓ | ✓ | ✓ |
| Sightline (Head) | 129.5mm | 129.5mm | 129.5mm | 129.5mm |
| Low Threshold 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 | ✓ | ✓ | ✓ | ✓ |

## CONFIGURATIONS

Single Door



Double Door



## CAD CROSS SECTIONS AND THERMAL PROFILE

Additional details are available on request.

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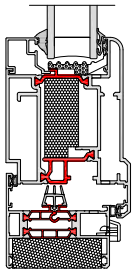
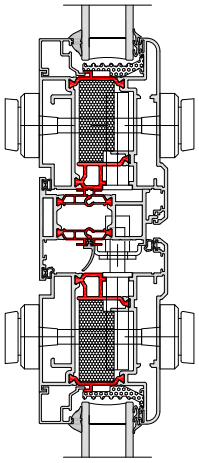
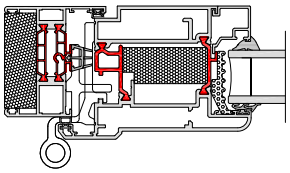


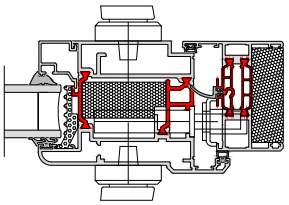
58BD HI JAMB



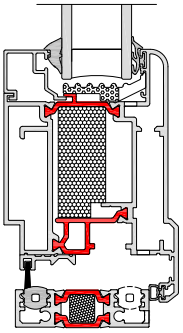
58BD HI HINGE JAMB



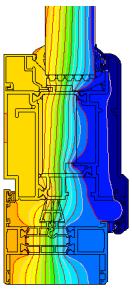
58BD HI LOCK JAMB



58BD HI LOW THRESHOLD



58BD HI THERMAL PROFILE



* Performance data based on CEN size for Building Regulations. For full test performance details please contact Technical Services.
AluK recommends checking all system performance for any scheme prior to use.