

Technical Specifications

Sunray ExcluDoor® 1

Fire rated

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Product Range Summary:

A comprehensive range of premium quality, security and fire rated, steel hinged pedestrian doorsets.

- Configurations: Single doorset, equal leaf double doorset and un-equal leaf double doorset options.
- Orientation: Single swing open out.
- Door leaves 44mm thick. Manufactured from 1.5mm thick zinc coated mild steel. (Zintec).
- Door frames manufactured from 1.5mm thick zinc coated mild steel. (Zintec). Single rebate profile as standard. Other profiles available on request.
- Loss Prevention Standard LPS 1175 Issue 8 Security Rating A1 (SR1).
- Certifire range up to 1 hour fire integrity duration. Tested to BS EN 1634-1.
- CE/UKCA marked range up to 4 hours fire integrity duration. Tested to BS EN 1634-1.
- External doors CE/UKCA marked in accordance with harmonised standards BS EN 14351-1 and BS EN 16034.
- Available with weather/smoke resistant seals and threshold options.
- Security rated vision panel, door viewer and louvre vent options.

Door Leaf Construction:

- 44mm thick. Manufactured from 1.5mm thick zinc coated mild steel (Zintec) for enhanced corrosion resistance.
- Fully enclosed pop-riveted and welded twin tray construction. Internally reinforced with proprietary armoured materials to suit specified intruder resistance requirement.
- Minimum of 4 off stainless steel ball bearing butt hinges per leaf.
- Separate hinge bolts incorporated as standard for additional attack resistance.
- Door leaves infilled with light weight proprietary core materials to provide an attack/fire resistant, flat, warp and distortion free panel.
- Leading edge of single door leaf provided with external zinc coated steel anti-pry strip which overlaps frame and protects lock bolt. Double doorset incorporates both external and internal anti-pry strips at meeting stiles for additional security.
- All hardware preparations pre-threaded for fasteners and suitably reinforced as appropriate.

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Frame Construction:

- Standard frame profile: Single rebate 100mm x 57mm overall. Other profiles and sizes available on request.
- Manufactured from 1.5mm thick zinc coated mild steel (Zintec) for enhanced corrosion resistance.
- Knock-down butt jointed and bolted frame assembly method for ease of assembly on site. Welded frame option also available.
- Factory prepared hinge and strike plate mounting plates.
- Weather/smoke seal: Silicone self-adhesive tear drop gasket. Colour: black. Fire and smoke tested in accordance with BS EN 1634-1 & 3.

Threshold Options:

Standard threshold: Satin anodised aluminium low profile c/w integral seal. Approved Document M compliant. Clear threshold option and alternative aluminium/steel profile designs available on request.

Fixing Method:

- 2nd fix between structural reveals with steel shims and expansion type anchors. Gap sealed with manufacturer approved fire retardant mastic sealant.
- Frame fixing holes infilled with snap-fit low profile hole plugs. Colour: black.

Security Rating:

Tested and certified to Loss Prevention Standard LPS 1175 Issue 8 Security Rating A1 (SR1). Certificate No. 234q.

Fire Rating:

- Certifire scheme product available with fire integrity ratings up to 1 hour duration. Tested to BS EN 1634-1. Certifire certificate No. CF 5673.
- External doors CE/UKCA marked in accordance with harmonised standards BS EN 14351-1 and BS EN 16034. Fire integrity ratings up to 4 hours duration when tested in accordance with BS EN 1634-1.

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Thermal Rating:

- Thermal transmittance certified in accordance with BS EN ISO 10077-1 by Element Materials Technology.
- U-value for plain single doorsets: 3.0 W/m².K
- U-value for plain double doorsets: 3.1 W/m².K

Hardware:

- Heavy duty stainless steel ball bearing butt hinges. Certified to Class 13 in accordance with BS EN 1935.
- ASSA Modular range single point mortice locks conforming to BS EN 12209 and DIN 18251.
- Surelock McGill Stirling range single point surface mounted locks, including access controlled versions, conforming to BS EN 1125 and BS EN 179.
- Surelock McGill Slimline range multi-point surface mounted locks, including access controlled versions, conforming to BS EN 1125 and BS EN 179.
- MICO MSR range multi-point surface mounted panic and emergency escape devices c/w optional external key access, conforming to BS EN 1125 and BS EN 179.
- ABLOY EL range single point mortice locks, including access controlled versions, conforming to BS EN 1125, BS EN 179 and BS EN 12209.
- Sunray and MICO LSTB surface mounted barrel bolts.
- Dorma TS 83 overhead door closers with backcheck facility. Conforming to BS EN 1154.
- Zero Z304 door selectors tested to BS EN 1158.
- Hardware factory fitted as standard.

Finishes:

- Top coat: Architectural grade polyester powder coat. 30% gloss level. 60-80 microns thickness.
- Optional primer for enhanced corrosion resistance: Marine grade corrosion resistant zinc rich primer. 60-80 microns thickness.
- Standard stock colour range of 58 colours, 30% gloss level. Other colours and finishes available on request at additional cost and with longer lead times.

For further information or questions about installation of this product contact our installation team:

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