

Sunray ExcluDoor® 2 Range (Non-Fire Rated)

Technical Specification

Product Range Summary:

A comprehensive range of premium quality, security 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 B3 (SR2).
- Secured by Design accredited.
- External doors CE/UKCA marked in accordance with harmonised standard BS EN 14351-1.
- Available with weather/draught resistant seals and threshold options.
- 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 materials to suit specified intruder resistance and hardware requirements.
- Minimum of 4 off stainless steel ball bearing butt hinges per leaf.
- Separate hinge bolts incorporated as standard for increased security resistance.
- Door leaves infilled with proprietary core materials to provide an attack 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. Double rebate profiles and other 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/draught seal: Silicone self-adhesive tear drop gasket. Colour: black.

Threshold Options:

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

Vision Panels:

- Range of square and rectangular shaped vision panels to suit application.
- Glass specification: Glazing units tested and certified in accordance with Loss Prevention Standard LPS 1270: Issue 1.1
- Method of fixing in accordance with manufacturer's instructions.
- Alternative door viewer option.

Louvre Vents:

- Range of square and rectangular shaped heavy duty louvre vents to suit application.
- Louvre blade specification: Hardened steel louvre blades welded in position.
- Vermin mesh available on request.
- Free area excluding vermin mesh: 40%. (Based on a 400mm x 400mm unit).
- Method of fixing in accordance with manufacturer's instructions.

Fixing Method:

- 2nd fix between structural reveals with steel shims and expansion type anchors. Gap sealed with manufacturer approved 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 B3 (SR2). Certificate No. 234r.
- Secured by Design accredited.

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Thermal Rating:

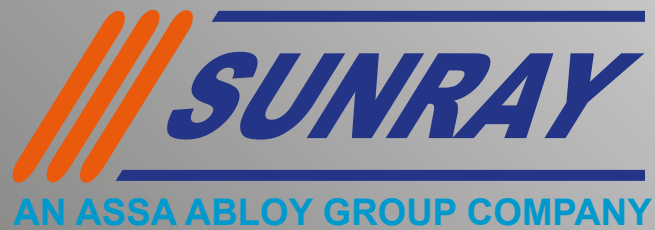
- Thermal transmittance certified in accordance with BS EN ISO 10077-1 by Element Materials Technology.
- U-value for plain single doorsets: 3.0 W/m².K
- U-value for plain double doorsets: 3.1 W/m².K

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.
- MICO Elite range single point surface mounted locks, including access controlled versions, conforming to BS EN 1125 and BS EN 179.
- MICO Abryll range single point surface mounted locks, including access controlled versions, conforming to BS EN 1125 and BS EN 179.
- MICO Modula range single point mortice 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.
- MICO INT (942) range multi-point surface mounted locks, including access controlled versions, 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.



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