

Sunray ExcluDoor® 4 FR Range (Fire Rated)

Technical Specification

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 45mm 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 7 Security Rating SR4.
- Secured by Design accredited.
- 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.
- Vision panel option.

Door Leaf Construction:

- 45mm 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 3 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/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 45mm overall. Double rebate profiles and other sizes available on request.
- Manufactured from 1.5mm thick zinc coated mild steel (Zintec) for enhanced corrosion resistance.
- Butt welded frame joints.
- Factory prepared hinge and strike plate mounting plates.
- Weather/smoke seal: Silicone self-adhesive tear drop gasket. Colour: black.

Threshold Options:

- Standard threshold: Steel low level with stop. Clear threshold option and alternative thresholds including Approved Document M compliant designs available on request.

Vision Panels:

- Rectangular shaped vision panels to suit application. Clear vision size: 200mm wide x 300mm high.
- 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 using fire resistant gasket.

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 7 Security Rating SR4. Certificate No. 234d Part 4.
- Secured by Design accredited.

Fire Rating:

- 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.

Thermal Rating:

- Thermal transmittance certified in accordance with BR 497 and BS EN ISO 10211 by BRE.
- U-value for plain single and double doorsets: 2.8 W/m².K
- U-value for single and double double doorsets with vision panels: 3.3 W/m².K

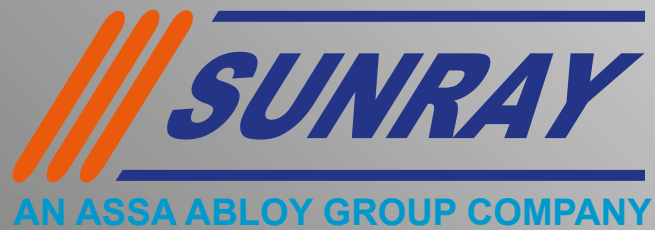
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Hardware:

- Heavy duty stainless steel ball bearing butt hinges. Certified to Class 13 in accordance with BS EN 1935.
- ASSA ABLOY Kaye HS100 Series single and three-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.
- Sunray 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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