

Sunray ExcluDoor® 3 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 SR3.
- 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 C5 SR3. Certificate No. 234d Part 3.
- 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

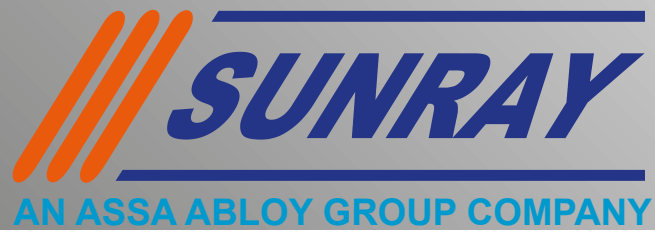
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Hardware:

- 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.



Sunray Doors
An Assa Abloy Group Company

Sunray Engineering Ltd
Kingsnorth Industrial Estate
Wotton Road, Ashford
Kent TN23 6LL

+44 (0)1233 639039
sales@sunraydoors.co.uk
www.sunraydoors.co.uk