

Sunray SaverDoor[®] Range (Non-Fire Rated)

Technical Specification

Product Range Summary:

A comprehensive range of premium quality, general purpose, steel hinged pedestrian doorsets.

- Configurations: Single doorset, equal leaf double doorset and un-equal leaf double doorsets complete with optional overpanels.
- Orientations: Single swing open out or open in.
- 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.
- Non-fire rated.
- 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 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 to suit specified hardware.
- Minimum of 4 off stainless steel ball bearing butt hinges per leaf.
- Separate hinge bolts incorporated, where applicable, for increased security resistance.
- Door leaves infilled with light weight proprietary core materials to provide a flat, impact resistant, 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.

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.

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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:

- Standard range of square, rectangular and round fire rated vision panels with bevelled beading and tight mitred corner joints.
- Clear vision sizes (W x H): 406mm x 406mm, 406mm x 711mm, 152mm x 457mm, 152mm x 711mm, 406mm diameter. Other sizes available on request.
- Glass specification: 6.4mm thick clear laminated safety glass.
- Method of fixing in accordance with manufacturer's instructions.

Louvre Vents:

- Standard range of square and rectangular fire rated louvre vents with bevelled beading and tight mitred corner joints.
- Clear vent sizes (W x H): 305mm x 305mm, 457mm x 305mm, 457mm x 457mm, 305mm x 1524mm, 457mm x 1524mm. Other sizes available on request.
- Vermin mesh available on request.
- Free area excluding vermin mesh: 50%.
- 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.

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: 3.0 W/m².K

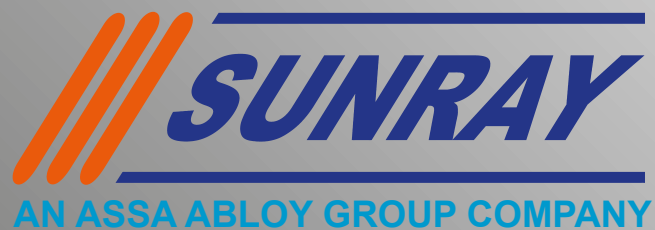
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Hardware:

- Heavy duty stainless steel thrust bearing butt hinges. Certified in accordance with BS EN 1935.
- Dorma 300 CE Series mortice locks conforming to BS EN 12209 and BS EN 179.
- Union HD72 Series mortice locks conforming to BS EN 12209 and BS EN 179.
- Union Exidor 200 Series panic and emergency escape devices tested to BS EN 1125 and BS EN 179.
- Briton 376 Series panic and emergency escape devices tested to BS EN 1125 and BS EN 179.
- Dorma TS72 and TS83 overhead door closers with backcheck facility conforming to BS EN 1154.
- Dorma Pure 4 Series lever handle furniture approved to BS EN 1906.
- Union lever handle furniture approved to BS EN 1906.
- Zero Z304 door selectors tested to BS EN 1158.
- Zero Z003R concealed flush bolts or MICO LSTB barrel bolts.
- Other hardware available on request.
- 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