

Technical Specifications

# Sunray SaverDoor®

Fire rated

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## Product Range Summary:

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

- A comprehensive range of premium quality, general purpose, fire and acoustic 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 44 mm thick. Manufactured from 1.5 mm thick zinc coated mild steel. (Zintec).
- Door frames manufactured from 1.5 mm thick zinc coated mild steel. (Zintec). Single rebate profile as standard. Other profiles available on request.
- Efectis Certified third-party fire certification scheme range up to E240 minutes fire integrity duration. Tested to BS EN 1634-1 and classified in accordance with EN 13501-2.
- Efectis CE marked range up to E240 minutes fire integrity duration. Tested to BS EN 1634-1 and classified in accordance with EN 13501-2.
- External doors CE marked in accordance with harmonised standards BS EN 14351-1 and BS EN 16034.
- Acoustic sound reduction ratings from Rw 36 to 39dB in accordance with BS EN ISO 10140-2.
- Available with weather/smoke resistant/acoustic seals and threshold options.
- Fire rated vision panel and louvre vent options.

## Door Leaf Construction:

- 44mm thick. Manufactured from 1.5mm thick zinc coated mild steel (Zintec) for enhanced impact and 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 fire and impact 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.

## 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/acoustic seal: Silicone self-adhesive tear drop gasket. Colour: black. Fire and smoke tested in accordance with BS EN 1634-1 & 3.

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## 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.

## Vision Panels:

- Standard range of square, rectangular and round fire rated vision panels with bevelled beading and tight mitred corner joints. Available up to 1 hour duration.
- Clear vision sizes (W x H): 406mm x 406mm, 406mm x 711mm, 152mm x 457mm, 152mm x 711mm, 406mm diameter.
- Fire rated glass specification: 9mm thick Firelite safety glass.
- Method of fixing in accordance with manufacturer's instructions using fire resistant gasket.

## Louvre Vents:

- Standard range of square and rectangular fire rated louvre vents with bevelled beading and tight mitred corner joints. Available up to 1 hour duration.
- Clear vent sizes (W x H): 305mm x 305mm, 457mm x 305mm, 457mm x 457mm, 305mm x 1524mm, 457mm x 1524mm.
- Vermin mesh available on request.
- Free area excluding vermin mesh: 40%.
- Method of fixing in accordance with manufacturer's instructions.

## Fixing Method

2<sup>nd</sup> fix between structural reveals with steel shims and appropriate fixings to suit masonry/concrete or, steelwork openings. Gap sealed with manufacturer approved fire retardant sealant.

Frame fixing holes infilled with snap-fit low profile hole plugs. Standard colour: black.

## Fixing Method

Efectis Certified third-party fire certification scheme range up to E240 minutes fire integrity duration. Tested to BS EN 1634-1 and classified in accordance with EN 13501-2. Certificate of Approval No. EFR-2506-0457.

External doors CE marked by Efectis in accordance with harmonised standards BS EN 14351-1 and BS EN 16034.

Fire integrity ratings up to E240 minutes duration when tested to BS EN 1634-1 and classified in accordance with EN 13501-2. Certificate of Constancy of Performance Nos. 1812-CPR-2208, 2209 & 2214.

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## Acoustic Rating:

Tested in accordance with BS EN ISO 10140-2 by Element Materials Technology.

Plain single doorsets: Rw 36 to 39dB sound reduction, depending on door leaf infill material.

## 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/m<sup>2</sup>.K
- U-value for plain double doorsets: 3.0 W/m<sup>2</sup>.K

## 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 TS73 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 flush bolts or MICO LSTB barrel bolts.
- Other Efectis Certified scheme approved 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.

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

**01233 656648**



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