

30/30X

FROM SENTRY

sentry door-blanks
2010



- Comprehensive approvals for 30 minute fire resistance
- Approval for overpanels without transoms
- Approval for rebated meeting edges
- Exterior grade plywood faces / 3.6 or 5.5mm
- Optional MDF faces / 9mm

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Construction Specification

The core of Sentry comprises vertically laminated hardwood lamels with horizontal top and mid-rails faced with exterior grade hardwood plywood in thickness of either 3.6 or 5.5mm (Sentry 30X). Both plywood face options are fully approved for use across the complete range of sizes and configurations.

Alternative facings

Sentry 30 MDF provides expanded surface finish options.

6mm and 9mm MDF or Particle Board faces are approved across the following configurations:

- LSASD - Latched single acting single door with leaves up to maximum approved size
- ULSASD/DASD - Unlatched single acting single door/Double acting single door with leaves up to 2200mm high or 1000mm wide.
- LSADD - Latched single acting double door with leaves up to 2150mm or 950mm wide.

Additional facings of timber veneers and plastic laminates up to 2mm are acceptable as are planted timber mouldings.

Size adjustment

Leaves may be reduced in height and width without restriction, but reduction in height must be from the bottom edge only and the top rail must be preserved at its required dimension.

Glazing

Up to 1.94m² of glazing is approved in Sentry single door and double door applications.

Up to 0.2m² of glazing is approved in Sentry Slimline using 6mm Pyroshield or 6mm Pyran S glasses in conjunction with Lorient System 36.

Partial or complete interruption of the mid rail is permitted.

Multiple apertures are acceptable up to the maximum approved area with a minimum dimension of 80mm between apertures. Apertures must not be less than 100mm from any door edge. Square, rectangular, circular and semi-circular apertures are acceptable with all the approved systems.

Installation must be in accordance with the glass/glazing system manufacturers recommendations.

Approved glasses are:

6/7mm Pyroshield, 6mm Pyran S, 10m Pyrodur, 15mm Pyrostop
Alternative glass products may be used, providing relevant evidence generated in suitable timber door constructions can be provided.

Approved proprietary glazing systems are:

Lorient System 36, Sealmaster Fireglaze 30, ISL Therm-A-Channel, ISL Therm-A-Strip, Mann McGowan Pyroglaze 30, Exfoguard IGC8.

Doorframes

Softwood or hardwood is approved of (minimum density 510 kg/m³) in a minimum section of 70mm x 32mm after rebating or profiling. Single acting doorframes must incorporate a 12mm rebated or planted stop. The maximum leaf size permitted for use with softwood frames is 2300mm high or 1000mm wide.

Intumescent materials

Palusol 100 series PVC encapsulated intumescent is approved in appropriate sections to correspond to the required leaf sizes and configurations as shown in the table above.
Note that intumescent seals may be fitted to the door edges or frames.

Acoustic Performance:

Sentry products have been independently tested at Sound Research Laboratories in accordance with B.S.EN ISO140-3:1995 B.S.EN 2750: PART 3: 1995 over the 1/3rd octave band frequency range 50 Hz to 10,000 Hz.
When tested a Sentry 30 sample achieved an average SRI (100 - 3150 Hz) of 27.8 and a weighted SRI Rw of 30.
SRL report number C/98/5L applies.

30/30X FROM SENTRY	Latched Single Acting Doorsets	Unlatched & Double Acting Single Doorsets	Latched Single Acting Double Doorsets	Unlatched & Double Acting Double Doorsets
Extended Leaf Sizes From: To:	2444 x 1647mm 3259 x 1235mm	2135 x 1194mm 2769 x 915mm		
Standard Leaf Sizes From: To:	2108 x 1012mm 2404 x 884mm	2108 x 987mm 2354 x 884mm	2135 x 1169mm 2719 x 915mm	2135 x 1144mm 2669 x 915mm
Maximum Glazed Area:	Up to 1.94m ² per leaf for all configurations			
Frame Specification:	70 x 32mm Softwood/Hardwood – min density 510kg/m ³			
Approved Intumescent Materials Extended Leaf Sizes Head/Jamb:	1 No. 20 x 4mm fitted centrally. For leaves over 2600mm increase to 25 x 4mm 1 No. 15 x 4mm fitted centrally	1 No. 20 x 4mm fitted centrally 1 No. 15 x 4mm fitted centrally	1 No. 25 x 4mm fitted centrally For leaves over 2300mm high increase to 30 x 4mm 1 No. 15 x 4mm fitted centrally For leaves over 1000mm high increase to 20 x 4mm Meeting Edges: 1 No. 15 x 4mm fitted centrally in one leaf only. For leaves over 1000mm wide increase to 20 x 4mm	
Standard Leaf Sizes Head/Jamb:	10 x 4mm to jamb & head in hardwood only. For softwood frames the maximum leaf size is limited to 2134 x 914mm	1 No. 10 x 4mm fitted centrally (hardwood only)		
Supporting Technical Data:	Test reports RF96008, RF96038, RF96091, RF97013, RF00099 and RF98045 covering Sentry doors fire resistance tested to BS476 Part 221987 in various configurations and leaf sizes at the laboratories of Chiltern International Fire Limited provide the basis for Assessment FEA/F97028/Revision D			

Sentry product information is available on the worldwide web at

www.sentry-doors.com

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