

60/60X

FROM SENTRY

sentry door-blanks
2010



- Comprehensive approvals for 60 minute fire resistance
- High performance solid timber door
- Exterior grade plywood faces / 3.6 or 5.5mm
- Optional MDF faces / 9mm

60/60X

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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 plywood with options of MDF or Particle Board faces (overall thickness 54mm). sentry is approved for use with 3.6mm and 5.5mm hardwood plywood facings (Sentry 60X) in the complete range of sizes and configurations.

Alternative facings

Sentry 60 MDF provides expanded surface finish options. 6mm and 9mm MDF or Particle Board faces are approved across all sizes and configurations. 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 0.4m² of glazing is approved per leaf in Sentry 60 single and double door applications. Partial or complete interruption of the mid rail is permitted. Apertures must not be less than 120mm from any door edge. Multiple apertures are acceptable up to the maximum approved area with a minimum dimension of 80mm between apertures.

Installation must be in accordance with the glass/glazing system manufacturer's recommendations.

Approved glasses are:

6/7mm Pyroshield - Pilkington Glass Ltd,
6mm Pyran S - Schott Glass Ltd
Alternative glass products may be used, providing relevant evidence generated in suitable timber door constructions can be provided.

Approved proprietary glazing systems are:

ISL Therm-A-Glaze 60, Sealmaster Fireglaze 60, Lorient System 63 & 90+, Pyroglaze 60 (Mann McGowan Ltd)

Doorframes

Hardwood is approved of minimum density 640kg/m³ and of a minimum section of 80mm x 40mm after rebating or profiling. Single acting doorframes must incorporate a 12mm rebated or planted stop.

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 frequently range 50 Hz to 10,000 Hz.

When tested a Sentry 60 sample achieved an average SRI (100 - 3150 Hz) of 30.9 and a weighted SRI Rw of 33. SRL report number C/98/5L applies.

60/60X FROM SENTRY	Latched Single Acting Doorsets	Unlatched & Double Acting Single Doorsets	Latched Single Acting Double Doorsets	Unlatched & Double Acting Double Doorsets
Leaf Sizes From: To:	2440 x 1372mm 2745 x 1220mm	2135 x 1032mm 2395 x 914mm	2135 x 1007mm 2345 x 914mm	2135 x 982mm 2295 x 914mm
Maximum Glazed Area:	0.40m ²	0.40m ²	0.40m ²	0.40m ²
Approved Systems:	Refer to FEA/97155 rev d.			
Frame Specification: Min. Section (mm): Material:	All 80 x 40mm Hardwood – min density 640kg/m ²			
Approved Intumescent Materials Head:	25 x 4mm fitted centrally. For leaves over 2270mm high increase to 35 x 4mm		35 x 4mm fitted centrally to frame. 10 x 2mm Interdens centrally to head	
Jamb:	2 No. 15 x 4mm spaced 5mm each side of the centre line		2 No. 15 x 4mm spaced 5mm each side of the centre line frame. 10 x 2mm Interdens fitted centrally in leaf edge	
Meeting Edges:	2 No. 15 x 4mm spaced 5mm each side of the centre line. 10 x 2mm Interdens fitted centrally in one leaf			
Supporting Technical Data:	Test reports RF96014, RF97038 and RF97103 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/F97155/Revision D			

Sentry product information is available on the worldwide web at

www.sentry-doors.com

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