



CW Fields & Son Ltd

Specialist Fire & Acoustic Doors and Bespoke Joinery

technical specification

Product: Fields Security Door Sets SD 30/60

General Specification

- ✓ 54mm thick door leaf constructed from a high performance laminated timber core faced with MDF, which may be covered with decorative wood veneers, plastic laminates, stains or paint as required.
- ✓ The door leaf is hung in a robust sapele frame of minimum section 58 x 90mm
- ✓ **Fields Security** Door sets are supplied complete with hardwood door frames and all necessary ironmongery.
- ✓ **Fields Security** Door sets are designed and intended for internal use.

Overpanels

Fixed and removable over panels are available within the size limits shown in table A below.

Glazing

Secure vision panels are available in door leaves of minimum width 567mm.

Fire Resistance

A field of application report No PAR/9568/01 has been prepared by International Fire Consultants Ltd which allows these doors to be fire rated as FD30 or FD60 for all the configurations shown in Table A below.(except FD60 with removable overpanel)

Intumescent and smoke seals.

For fire rated door sets, all necessary intumescent seals and gaskets will be factory fitted.

Security Testing

A range of door sets has been tested by the Building Research Establishment (BRE) in accordance with the requirements the Loss Prevention Standard LPS 1175 issue 7. From the test results and subsequent assessment by BRE. the door set configurations and sizes shown in Table A below are available and certified to LPS 1175 Security Rating 2.

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Table A: Door sizes and configurations approved to LPS 1175 SR2

Configuration	Structural opening height		Structural opening width		Door leaf height		Door leaf width	
	From (mm)	To (mm)	From (mm)	To (mm)	From (mm)	To (mm)	From (mm)	To (mm)
Single leaf outward opening hinged security door set.	705	2605	382	997	-	-	-	-
Single leaf outward opening hinged security door set with fixed or removable over panel.	955	3055	382	997	-	2558	-	-
Single leaf inward opening hinged security door set.	705	2605	382	997	-	-	-	-
Single leaf inward opening hinged security door set with fixed or removable over panel	955	3055	382	997	-	2558	-	-
Double equal and unequal leaf outward opening hinged security door set.	705	2605	685	1915	-	-	300	915
Double equal and unequal leaf outward opening hinged security door set with fixed or removal over panel	955	3055	685	1915	-	2558	300	915
Double equal and unequal leaf inward opening hinged security door set.	705	2605	685	1915	-	-	300	915
Double equal and unequal leaf inward opening hinged security door set with fixed or removal over panel.	944	3055	685	1915	-	2558	300	915

Table B: Approved locking combinations

Configuration	Compatible locking systems (see Table C)	
	Active leaf	Passive leaf
Single leaf outward opening	1,2,3	N/A
Single leaf outward opening with fixed or removable over panel	1,2,3	N/A
Single leaf inward opening	1,2,3	N/A
Single leaf inward opening with fixed or removable over panel	1,2,3	N/A
Double leaf outward opening	1,2,3	4
Double leaf outward opening with fixed or removable over panel	1,2,3	4
Double leaf inward opening	1,2,3	4
Double leaf inward opening with fixed or removable over panel	1,2,3	4

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Table C: Compatible locking systems

Locking system	Manufacturer	Model	Operating Devices		Compatible cylinders
			External face	Internal face	
1	Surelock McGill	SL325-E1K202PW	Electro-mechanical access control lock(fail secure) with key override and lever handle	Single action lever handle	A
2	Surelock McGill	SL325-E1W	Electro-mechanical access control lock (fail secure) with lever handle.	Single action lever handle	A
3	Surelock McGill	SL315-E1K202PW	Key and lever handle	Single action lever handle	A
4	Surelock McGill	TBFW barrel bolts	None	Two barrel bolts	N/A

Table D: Compatible Cylinders

Cylinder reference	Manufacturer	Model	Type
A	Assa	C5857	Rim cylinder

Notes:

1. The maximum door leaf height 2558mm
2. The scope of the LPS1175 approval for Fields security doors includes double leaf door sets with equal and unequal leaves. The maximum individual leaf width is 915mm the minimum individual leaf width is 300mm

Size Adjustment

Door sets are manufactured to suit specific opening sizes and these sizes must not be adjusted on site otherwise acoustic and fire integrity may be compromised.

Storage

Fields Security door sets should be stored within a carefully controlled environment similar in temperature and humidity to that intended for final use.

Installation

Door sets will normally be installed by C W Fields approved installers.

Environment

Fields Security door sets can be supplied with chain of custody certification on request.

Veneered door facings and timber frames are finished in acid catalysed lacquer containing minimum volumes of volatile organic compounds. The finishing process is permitted under Local Authority Pollution Prevention and Control legislation.

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COSHH

In normal, proper use the product does not present any risks. However any attempt to machine or abrade the components in any way is likely to produce wood dust and risk assessments should be carried out. Furthermore, such modifications may invalidate the fire rating and security status of the door set and advice should be sought from C W Fields & Son Ltd

The storage, installations and aftercare instructions issued by C W Fields and Son Ltd should be followed at all times.

Specifiers and designers should refer to Approved Document M of the Building Regulations in order to ensure that features specified for the door sets will comply with the requirements of current legislation relating to access, especially for disabled persons.

MSDS

Material safety data sheets for materials used in the production of C W Fields & Son Ltd door sets are available on request.