



CW Fields & Son Ltd

Specialist Fire & Acoustic Doors and Bespoke Joinery

technical specification

Product: Fields Fire Door Sets PD30C

General Specification

- ✓ Door leaves are constructed from 44mm high performance multi-layer particle board. The density and finish of this high quality product permits the manufacture of door leaves without perimeter framing and additional sub-facing materials Door leaves may be machined to various panel door patterns and faced with decorative wood veneers, stains or paint as required.
- ✓ Fields Fire Door Sets PD30C can be supplied with a wide choice of frames including hardwood, softwood and MDF.

Fire resistance test data and approvals

- ✓ Tested to BS 476: Part 22 1987 by Chiltern International Fire Ltd.
- ✓ Chiltern International Fire Ltd Assessment Chilt/A02066 Rev I enables approval for a large range of configurations and sizes as indicated below.

✓ **Permitted leaf sizes for Fields PD30C**

Configuration	leaf size from:-		leaf size to:-	
	width mm	height mm	width mm	height mm
Latched, single leaf door set, single acting with optional transomed over panel.	932	2979	1310	2135
Unlatched single leaf door set, single or double acting with optional transomed over panel	932	2930	1285	2135
Latched, double leaf door set, single acting with optional transomed over panel.	932	2879	1260	2135
Unlatched, double leaf door set, single or double acting with optional transomed over panel	932	2829	1235	2135

NOTE: Sizes and features not covered by the generic fire assessment may be accommodated by commissioning a contract-specific assessment.

This door set can also be supplied as non-fire rated.

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Over panels

One piece over panels not greater than the width of door leaf/leaves are permitted in all configurations with a separating transom. Maximum allowed heights are:-

Single leaves: 2000mm high

Double leaves: 1500mm high

Lippings

All doors will be supplied with hardwood lippings, concealed or unconcealed and square, rounded or rebated. Doors will normally be supplied with lippings to both vertical and horizontal edges.

Door frames

Softwood or Hardwood: 70mm x 32mm section. Minimum density 510 kgs/m³.

MDF 70mm x 30mm section Minimum density 700 kgs/m³

A 12mm planted stop of the same material as the frame is incorporated.

Intumescent & Smoke seals

- ✓ All necessary fire and smoke seals are included.
- ✓ All factory fitted hinges, locks/latches, strike plates and floor spring accessories will be protected with intumescent gaskets.
- ✓ Any ironmongery not factory fitted will require protecting with intumescent gaskets. For further advice please provide full specification of components.

Glazing

Fields PD 30C Door sets are factory glazed, when specified using clear laminated fire resisting glass in conjunction with intumescent materials. The glass is retained using a purpose-made, pin-fixed, hardwood splayed and rebated or square section glazing bead cassette.

The maximum permitted glazed area per leaf must not exceed 0.7m² throughout the configuration range.

Apertures shape is unrestricted and may be in multiple or single paned form providing glazing is not less than 100mm from the door leaf edges, not less than 100mm from any door edge and not less than 80mm between apertures.

Ironmongery

An extensive range of ironmongery is permitted for use with Fields PD30C fire doors.

Decorative Finishes

- ✓ Wood veneers coated with clear or tinted acid catalysed lacquer
- ✓ Primed or factory painted.
- ✓ Door edges and door frames will be in nearest matching hardwood which can be clear finished, stained, tinted or painted to match or contrast with the door face finishes.

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Size Adjustment

Door sets are manufactured to suit specific opening sizes and door leaves and any adjustment of door set sizes during installation may invalidate the fire rating status of the door set.

Storage

FieldsFD30C door sets should be stored within a carefully controlled environment similar in temperature and humidity to that intended for final use.

Installation

See installation instructions leaflet download on our website.

Environment

Fields FD30C door sets can be supplied with FSC chain of custody certification on request.

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

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 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.