



CW Fields & Son Ltd

Specialist Fire & Acoustic Doors and Bespoke Joinery

# technical specification

Product: Fields Fire Door Sets FD60B

## General Specification

- ✓ 54mm thick door leaf constructed from a high performance laminated timber core faced with MDF, Plywood or Chipboard which may then be covered with decorative wood veneers, plastic laminates, stains or paint as required.
- ✓ **Fields Fire Door Sets FD60B** can be supplied with hardwood door frame.
- ✓ **Fields Fire Door Sets FD60B** are designed and intended for internal use.

## Fire resistance test data and approvals

- ✓ Tested to BS 476 Part 22 1987 by Chiltern International Fire Ltd, in single and double door with over panel configurations and including glazed apertures.
- ✓ Chiltern International Fire Ltd Assessment FEA/F96046 Rev F. enables expansion of approval for **FD60** and **FD60S** performances in the following configurations and sizes :

## Permitted leaf sizes for Fields FD60B

Configuration	leaf size from:-		leaf size to:-	
	width mm	height mm	width mm	height mm
Latched, single leaf door set, single acting with transomed over panel.	1046	2396	850	2806
Unlatched, single leaf door set, single or double acting with optional transomed over panel.	1021	2396	850	2756
Latched, single leaf door set, single acting with rebated or square over panel.	996	2396	850	2706
Unlatched, single leaf door set, single or double acting with rebated or square over panel.	971	2396	850	2656
Latched, double leaf door set, single acting with optional transomed over panel.	946	2396	850	2606
Unlatched, double leaf door set, single or double acting with optional transomed over panel.	921	2396	850	2556
Latched, double leaf door set, single acting with rebated or square over panel.	896	2396	850	2506
Unlatched, double leaf door set, single or double acting with rebated or square over panel.	871	2396	850	2456

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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. A rebated or square interface between door leaf and over panel is also permitted without transom.

Maximum permitted heights are:-

Single leaves: 2000mm high

Double leaves: 1500mm high

## Door frames

640Kg/ m<sup>3</sup> density or greater hardwood of minimum section 70mm x 32mm after rebating or profiling

## Intumescent, Smoke & Acoustic Seals

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

## Glazing

**Fields FD60B** door sets can be factory glazed using clear laminated fire/acoustic resisting glass in conjunction with necessary seals. The glass is retained using a purpose-made, pinned hardwood splayed and rebated glazing bead cassette.

For fire rated leaves the maximum permitted glazed area per leaf must not exceed 0.72M<sup>2</sup> 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 any door edge and not less than 80mm between apertures.

## Ironmongery

**Fields FD60B** door sets have been fire tested and are approved for use with a wide variety of ironmongery components.

## Size Adjustment

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

## Storage

**Fields FD60B** door sets should be stored within a carefully controlled environment similar in temperature and humidity to that intended for final use.

## Installation

See instruction leaflet download on our website.

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## Acoustic Test Reports

Various door set configurations were tested at the Building Test Centre to BS EN ISO 140-3: 1995. The following test reports apply.

Single door sets: BTC 11637A (a)

Double door sets: BTC 11643A (a)

Glazed door sets: BTC 11976A (a)

From these tests the following sound level reduction values can be offered:-

Single unglazed door sets: 35dBRw

Single glazed door sets: 38dBRw

Double unglazed door sets: 35dBRw

Double glazed door sets: 38dBRw

## Environment

**Fields FD60B** door sets can be supplied with FSC 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.

## 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 acoustic 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.