



Technical Specification

Product: Aynsley Doors Fire Doorset FD30TC

General Specification

Door leaves are constructed from 44mm vertically and horizontally laid timber lamels faced with plywood, chipboard or MDF. 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 covered with decorative wood veneers, plastic laminates, stains or paint as required.

Aynsley Doors FD30TC 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 BHT/FEA/F98164RevK enables approval for a large range of configurations and sizes as indicated below.

Permitted leaf sizes for Aynsley Doors FD30TC

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.	927	2463	1067	2145
Unlatched single leaf door set, single or double acting with optional transomed over panel	927	2413	1042	2145
Latched, single leaf door set, single acting with rebated or square over panel	1308	2400	1000	3090
Unlatched, single leaf door set, single or double acting with rebated or square over panel	1283	2400	1000	3040
Latched, double leaf door set, single acting with optional transomed over panel.	915	2252	969	2135
Unlatched, double leaf door set, single or double acting with optional transomed over panel	915	2202	944	2135
Latched, double leaf door set, single acting with rebated or square over panel.	1000	2890	1208	2400
Unlatched, double leaf door set, single or double acting with rebated or square over panel.	1000	2840	1183	2400

NOTE: Sizes can vary from the above, based on facing material , sizes given are based upon all assessed facing types. 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.

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 only permitted without transom when door is faced with 3.6mm ply. 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 450 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, where required.

Any ironmongery not factory fitted will require protecting with intumescent gaskets. For further advice please provide full specification of components.

Glazing

Aynsley Doors FD30TC Doorsets 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 1.15m² 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 Aynsley Doors FD30TC fire doors.

Concealed cableways to facilitate electro-magnetic closing/latching mechanisms and acoustic seals are also permitted within the scope of the fire assessment.

Decorative Finishes

Wood veneers coated with clear or tinted acid catalysed lacquer

PVC/Plastic laminates of up to 2mm thick and/or removal door edge protectors

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.

Size Adjustment

Doorsets 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

Aynsley Doors FD30TC doorsets should be stored within a carefully controlled environment similar in temperature and humidity to that intended for final use.

Installation

See installation instructions leaflet.

Environment

Aynsley Doors FD30TC doorsets 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 Aynsley Doors.

The storage, installations and aftercare instructions issued by Aynsley Doors 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 doorsets 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 Aynsley Doors doorsets are available on request.

