

FIRELINE 90

HIGH PERFORMANCE ACOUSTIC DOORSETS

General Specification

- 64mm thick door leaf constructed from a high performance timber based composite core encapsulated by high quality hardwood stiles and rails faced with MDF, Plywood or Chipboard which will then be covered with decorative wood veneers, plastic laminates, stains or paint as required.
- **FIRELINE 90** Door sets are supplied complete with hardwood door frames and hinges
- **FIRELINE 90** Door sets are designed and intended for internal use.

Fire resistance test data and approvals

- Tested to BS 476 Part 22 1987. Tested by Chiltern International Fire Ltd. Test report RF96104 applies, in single door and double door with overpanel configurations and including glazed apertures.
- International Fire Consultants Ltd Assessment IFCA 07071 enables expansion of approval for **FD90** and **FD90S** performances in the following configurations and sizes :-

Leaf sizes permitted

Latched single action, single doors with optional transomed overpanel

	From	To
Width	882mm	1107mm
Height	3089mm	2640mm

Latched, single action, single doors with rebated or square overpanel

	From	To
Width	836mm	1093mm
Height	2927mm	2412mm

Latched, single action double doors, with optional transomed overpanel.

	From	To
Width	934mm	1008mm
Height	2803mm	2656mm

Unlatched, single action and double action single doors with optional transomed overpanel

	From	To
Width	865mm	1085mm
Height	3029mm	2589mm

Unlatched single action and double action single doors with rebated or square overpanel

	From	To
Width	820mm	1072mm
Height	2870mm	2365mm

Unlatched single action and double action double doors with optional transomed overpanel

	From	To
Width	925mm	998mm
Height	2775mm	2629mm

**Latched, single action double doors,
with rebated or square overpanel.**

	From	To
Width	859mm	963mm
Height	2577mm	2367mm

**Unlatched single action and double
action double doors with rebated or
square overpanel**

	From	To
Width	850mm	954mm
Height	2551mm	2343mm

Overpanels

One piece overpanels not greater than the width of door leaf/leaves are permitted in all configurations with a separating transom, or rebated or square without transom.

Single leaves: 2000mm high

Double leaves: 1500mm high

Door frames

- 640Kg/ M³ density or greater hardwood of minimum section 90mm x 45mm after rebating or profiling. A 15mm planted or rebated stop will be incorporated for single acting configurations

Intumescent & Smoke seals

- Will be included in sections and types to suit the requirements of the configuration.
- Should smoke control be required the necessary smoke seals will be 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

- **FIRELINE 90** Door sets are factory glazed using clear laminated fire resisting glass in conjunction with insulation materials, purpose made retaining system cloaked with hardwood splayed and rebated glazing bead.
- The maximum permitted glazed area per leaf must not exceed 0.36M³ throughout the configuration range.
- Apertures shape is unrestricted and may be in multiple or single paned form providing glazing is not less than 134mm from the door leaf edges, not less than 200mm from the top and bottom edges and not less than 100mm between apertures.

Ironmongery

- Hinges will be factory fitted. It is recommended that other items of ironmongery are also factory fitted where practicable in order that the fire resistance of the assembly is not compromised in any way.

- **FIRELINE 90** Door sets have been tested and are approved for use with a wide variety of components including :-
- Allgood Modric Commander XX9231 floor springs and accessories
- Royde & Tucker H102 and H105 lift off hinges or equivalent.
- Dorma TS83 overhead closers
- Legge tubular mortise latch
- Allgood Shearlock GF3000
- Stainless steel pull handles(bespoke)

Note :- Since the various elements of ironmongery were not exploited by fire testing, approval has been given for the use of mortise lock sets with up to 235mm forend plate, latch body 18mm and strikeplate 235mm long x 20mm wide.

- Alternative ironmongery of at least equal performance may be substituted.

Decorative Finishes

- Wood veneers or plastic laminates of up to 2mm thick, face fixed timber mouldings are approved and can be factory applied to door faces.
- 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.
- All paint stain tinted or clear finishes can also be factory applied.

Size Adjustment

- Doorsets are manufactured to suit specific opening sizes and door leaves
- cannot be adjusted on site without prior consultation or agreement

Storage

- **FIRELINE 90** Door sets should be stored within a carefully controlled environment similar in temperature and humidity to that intended for final use.

Installation

See separate installation instructions.



The mark of responsible forestry.
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