

FIRELINE 120

FD120 HIGH PERFORMANCE DOOR SETS

General Specification

- 64mm thick door leaf, constructed from a high performance timber based core with non combustible mineral fibre insulation sub facings encapsulated by high quality hardwood stiles and rails faced with MDF, chipboard or plywood which will then be covered with decorative wood veneers, plastic laminates, stains or paint as required.
- **FIRELINE 120** Door sets are supplied complete with hardwood door frames and hinges
- **FIRELINE 120** Door sets are designed and intended for internal use.

Fire resistance test data and approvals

- Tested to BS 476 Part 22 1987 at Chiltern International Fire Limited (test report RF98041 refers.)
- Tested configuration was single acting pair overall door size 2100mm x 1800mm and achieved **135 minutes Integrity**
- International Fire Consultants Limited Assessment IFCA / 07072 enables expansion of approval for **FD120** and **FD120S** performances in the following configurations and sizes :-

Leaf sizes permitted

Latched, single acting, single doors

	From	To
Width	791mm	1054mm
Height	2632mm	2632mm

Unlatched single acting single and double acting single doors

	To	From
Width	776mm	1033mm
Height	2581mm	2067mm

Latched single acting double doors

	From	To
Width	840mm	995mm
Height	2375mm	2066mm

Unlatched single acting and double acting double doors

	From	To
Width	832mm	985mm
Height	2352mm	2045mm

Overpanels

One piece panels not greater than the width of the door leaf/leaves contained within the door set are permitted in all configurations providing they are used with a separating transom.

Single Leaves: 2000mm high
Double Leaves: 1500mm high

Door frames

- 650Kg M³ density or greater hardwood of overall minimum section 100mm x 44mm after rebating or profiling. A 16mm planted 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 120** Door sets are factory glazed using clear laminated fire resisting glass in conjunction with insulation materials, purpose made retaining system cloaked with invisibly fixed hardwood splayed and rebated glazing bead.
- The maximum permitted glazed area per leaf must not exceed 0.3 square metres throughout the configurations range.
- Apertures shape is unrestricted and may be in multiple or single paned form providing glazing is not less than 135mm from the door leaf's vertical edges, 200mm to the head and bottom of the leaf and no 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 120** door sets are approved for use with a wide variety of components including :-
 - Royde & Tucker H102 butt hinges or H126 lift off hinges or equivalent.
 - Dorma TS83 overhead closers
 - Mortice latches:-
 - Forend plate: 235mm x 20mm
 - Latch body: 18mm wide (thick)
 - Strike plate: 235mm x 20mm
 - Alternative ironmongery of at least equal performance may be substituted.

Size Adjustment

- Doorsets are manufactured to suit specific opening sizes and door leaves cannot be adjusted on site without prior consultation and agreement
- Wood veneers or plastic laminates of up to 2mm thick, and 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.

Storage

- **FIRELINE 120** Door sets should be stored within a carefully controlled environment similar in temperature and humidity to that intended for final use.

Installation

See Installation Instruction leaflet.



The mark of
responsible forestry.
TT-COC-002627
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