

AUDIOLINE 44

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.
- **AUDIOLINE 44** Door sets are supplied complete with hardwood door frames and hinges
- **AUDIOLINE 44** Door sets are designed and intended for internal use.

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: 44dBRw

Single glazed door sets: 39dBRw

Double unglazed door sets: 40dBRw

Fire resistance test data and approvals

- Tested to BS 476 Part 22 1987 at Blackburn Fire Test Centre. Test report BFTC 02/06 applies, in single and double door with overpanel configurations and including glazed apertures.
- Chiltern International Fire Ltd Assessment Chilt/A02244 enables expansion of approval for **FD30** and **FD30S** performances in the following configurations and sizes :-

Leaf sizes permitted

Latched single action, single doors with transomed overpanel

	From	To
Width	1306mm	800mm
Height	2181mm	2883mm

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

	From	To
Width	992mm	992mm
Height	2052mm	2052mm

Latched, single action double doors, with transomed overpanel.

	From	To
Width	1049mm	800mm
Height	2135mm	2783mm

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

	From	To
Width	1281mm	800mm
Height	2181mm	2833mm

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

	From	To
Width	992mm	992mm
Height	2052mm	2052mm

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

	From	To
Width	1024mm	800mm
Height	2135mm	2733mm

Overpanels

One piece overpanels not greater than the width of door leaf/leaves are permitted in all configurations with a separating transom. Rebated and square overpanels without transom are permitted on single doors.

Single leaves: 2000mm high

Double leaves: 1500mm high

Door frames

- 640Kg/ M³ density or greater hardwood of minimum section 90mm x 40mm after rebating or profiling.

Intumescent, Smoke & Acoustic 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

- **AUDIOLINE 44** 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 100mm from the any door edge and not less than 80mm between apertures.

Ironmongery

- **AUDIOLINE 44** 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)
 - IS8040 concealed threshold seal.
 - IS8010 concealed threshold seal.
 - Briton 2130 surface fixed door closer

Note :- Since the various elements of ironmongery were not exploited by fire testing, approval has been given for the use of mortise lock sets as follows:-

Forend and strike plate: maximum 200mm high by 32mm wide by 6mm thick.

Body dimensions: maximum 25mm thick by 100mm wide by 150mm high.

- 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 or agreement

Storage

- **AUDIOLINE 44** 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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