

## AUDIOLINE 38

# HIGH PERFORMANCE ACOUSTIC DOORSETS

### General Specification

- 54mm thick door leaf constructed from a high performance laminated timber core faced with MDF, Plywood or Chipboard which will then be covered with decorative wood veneers, plastic laminates, stains or paint as required.
- **AUDIOLINE 38** Door sets are supplied complete with hardwood door frames and hinges
- **AUDIOLINE 38** 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: 35dBRw**

**Single glazed door sets: 38dBRw**

**Double unglazed door sets: 35dBRw**

**Double glazed door sets: 38dBRw**



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**Fire resistance test data and approvals**

- Tested to BS 476 Part 22 1987 by Chiltern International Fire in single and double door with overpanel configurations and including glazed apertures.
- Chiltern International Fire Ltd Assessment FEA/F00220 enables expansion of approval for **FD60** and **FD60S** performances in the following configurations and sizes :-

**Leaf sizes permitted for Audioline 38**

**Latched single action, single doors with transomed overpanel**

	From	To
Width	1046mm	850mm
Height	2396mm	2806mm

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

	From	To
Width	1021mm	850mm
Height	2396mm	2756mm

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

	From	To
Width	996mm	850mm
Height	2396mm	2706mm

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

	From	To
Width	971mm	850mm
Height	2396mm	2656mm

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

	From	To
Width	996mm	850mm
Height	2396mm	2606mm

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

	From	To
Width	940mm	850mm
Height	2396mm	2556mm

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

	From	To
Width	996mm	850mm
Height	2396mm	2606mm

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

	From	To
Width	940mm	850mm
Height	2396mm	2556mm



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## Overpanels

Single leaves: 2000mm high

Double leaves: 1500mm high

## Door frames

- 640Kg/ M<sup>3</sup> density or greater hardwood of minimum section 70mm x 40mm after rebating or profiling. (70mm x 30mm for MDF)

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

## Glazing

- **AUDIOLINE 38** door sets are factory glazed using clear laminated fire resisting glass in conjunction with intumescent materials, purpose made retaining system cloaked with hardwood splayed and rebated glazing bead.
- 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 145mm from the any door edge and not less than 80mm between apertures.

## Ironmongery

- **AUDIOLINE 38** door sets have been tested and are approved for use with a wide variety of components including :-
  - Royde & Tucker H102 and H105 lift off hinges or equivalent.
  - Dorma TS83V face fixed overhead closers.
  - Standard tubular mortise latches with aluminium lever handles.
  - Allgood surface fixed closer F19191/6
  - Allgood mortise cylinder lock and thumb turn SS7279F60
  - Allgood lever handles MA3502D
  - Aluminium flush bolt 200mm long by 19mm long.
  - Alternative ironmongery of at least equal performance may be substituted.



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## Size Adjustment

Door sets are manufactured to suit specific opening sizes and door leaves cannot be adjusted on site without prior consultation and agreement.

## Storage

- **AUDIOLINE 38** door sets should be stored within a carefully controlled environment similar in temperature and humidity to that intended for final use.



Certificate Number 096017



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