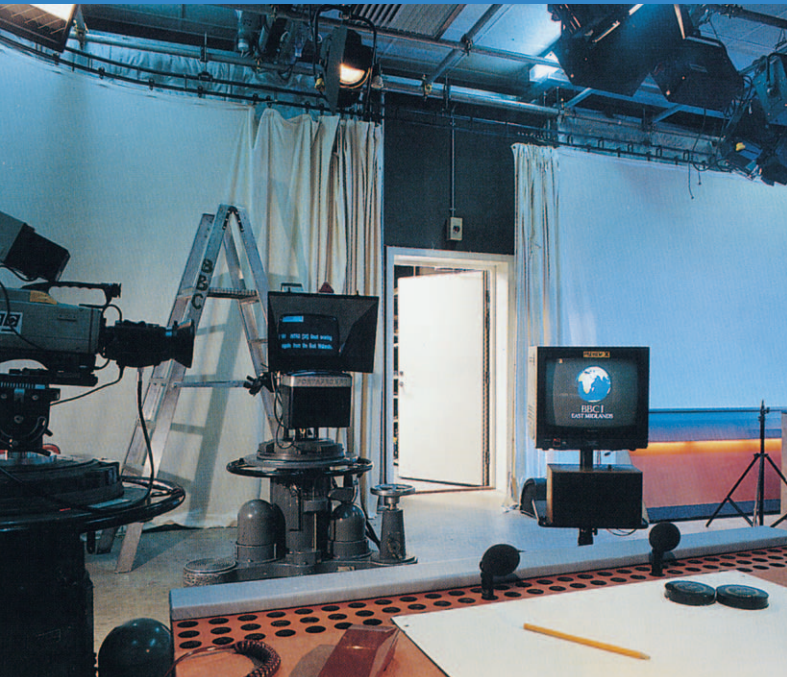


DOORSORBA™ Acoustic Internal Timber Doorsets

**TV STUDIO****MUSIC STUDIO**

DOORSORBA™ acoustic timber doors are extremely high performance sound reducing doorsets.

These high quality doorsets are available in a wide range of finishes and are fire rated.

Used in areas which require high sound reduction performance such as radio/TV studios, music rooms, interview rooms, cinemas, schools and confidential offices etc.

DOORSORBA™

Acoustic Internal Timber Doorsets

APPLICATIONS

DOORSORBA™ single and double acoustic internal timber doorsets are available in a wide range of wood and laminate finishes and are fire rated. They are used wherever high sound reduction performance is required between noise sensitive areas such as:

- radio/TV studios
- music studios
- music practice rooms
- theatres and cinemas
- interview rooms
- boardrooms
- private offices
- conference rooms
- consulting rooms
- hotel suites/rooms

Note: The term 'doorset in this leaflet refers to complete assemblies (including frame, seals, threshold, doorleaf and hinges). This is because to achieve the optimum fire and acoustic performance, the total DOORSORBA doorset must be fitted complete.

SOUND REDUCTION

DOORSORBA acoustic doorsets are high performance constructions and are available in two standard acoustic ratings:

- High performance version is called DOORSORBA-44 and has sound reduction of $R_w = 44$ decibels. (Double leaf doorset is 41 decibel rating).
- Medium performance version is called DOORSORBA-35 and has sound reduction of $R_w = 35$ decibels.
- Other acoustic performance ratings such as 38 decibels are available on request.

NOMINAL SIZES

Standard sizes

Single leaf doorsets

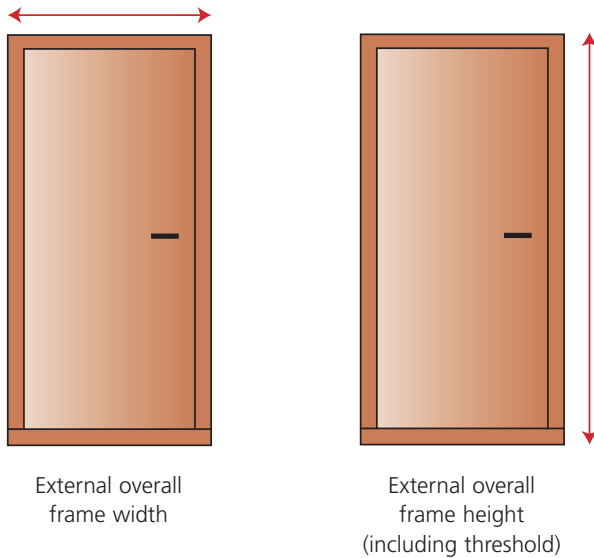
External overall doorframe size: 2110mm high x 1012 mm wide.

Door leaf size: 2040mm high x 926mm wide.

Double leaf doorsets

External overall doorframe size: 2110mm high x 1790 mm wide.

Door leaf size: 2040mm high x 850mm/850mm wide.



Other sizes are available on request.

44 decibel and 41 decibel doorleaves are 64mm thick.

35 decibel doorleaves are 54mm thick.

Standard door frame: 90 x 40mm hardwood section complete with a 30mm door stop and 90 x 20mm threshold.

Deeper frame depth can be supplied upon special request.

FIRE RATINGS

All 35 decibel doorsets are FD60 fire rated.

All 44 decibel and 41 decibel doorsets are FD30 fire rated.

NOMINAL WEIGHT

Single leaf 44 decibel doorset 85Kg.

Single leaf 35 decibel doorset 74Kg.

Double leaf 41 decibel doorset 144Kg.

Double leaf 35 decibel doorset 123Kg.

IRONMONGERY

Doorsets are supplied with hinges and seals pre-fitted. Handles, lockcases etc. are usually supplied and fitted by others to suit the rest of the building.

FINISHES

Veneers: Standard veneers as below.

Other veneers available on request.



Crown cut American maple



Crown cut American white oak



Crown cut birch



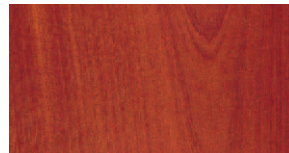
Crown cut American white ash



Crown cut American cherry



Crown cut European steamed beech



Quarter cut sapele



Quarter cut koto

These veneer colours are for indicative purposes only. Due to printing reproduction restraints, differences may occur between finishes printed above and the actual product. Veneer differences may occur between different doorsets as veneers are cut from different individual trees.

Paints: Paint primer finish as well as a full range of NCS plus BS and RAL equivalents are available.

Laminates: Print grade laminate as standard but most other proprietary laminate ranges can be supplied at an additional cost.

DOORSORBA™

Acoustic Internal Timber Doorsets

Just a few of the organisations who use DOORSORBA acoustic internal timber doorsets:

- Harrow School
- Gwent Police Station
- Astra Zenica
- Torbay Council
- Orange Communications
- Gunnersbury School
- Darlington College
- South Lanarkshire Council
- Helmshill School
- Oxford University

VISION PANELS

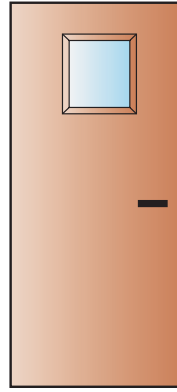
Vision panels, glazed in clear 17mm fire and acoustic safety glass, are available on the 35 decibel doors but not on the 41 decibel or the 44 decibel doorsets.

Other options for vision panels are available on request such as wheelchair vision panels.

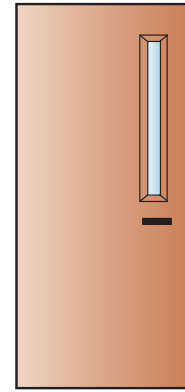
ACOUSTIC SEALS

Perimeter seals are integrally fitted in the frames and an automatic lift threshold seal at the base of the door leaf. Other seals may be available on request.

Standard vision panel options



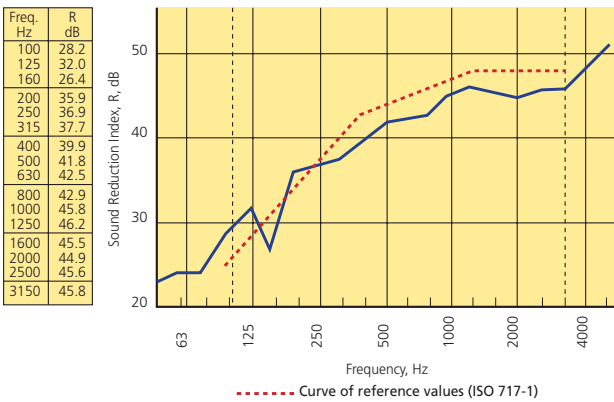
300 x 300mm
(sight area)



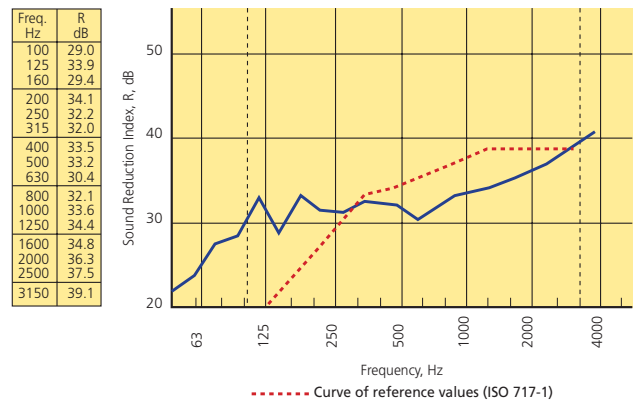
150 x 700mm
(sight area)

ACOUSTIC TEST RESULTS

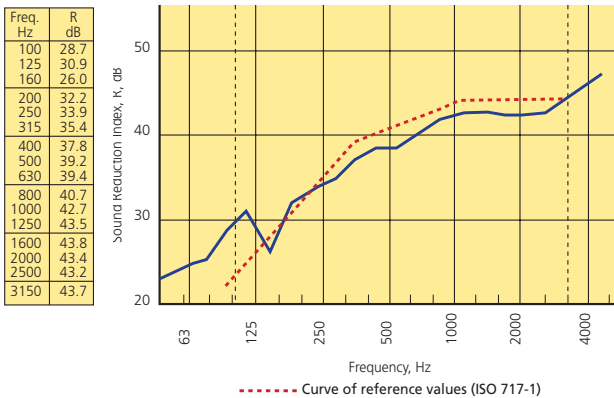
Rw 44 decibel single leaf acoustic doorset.



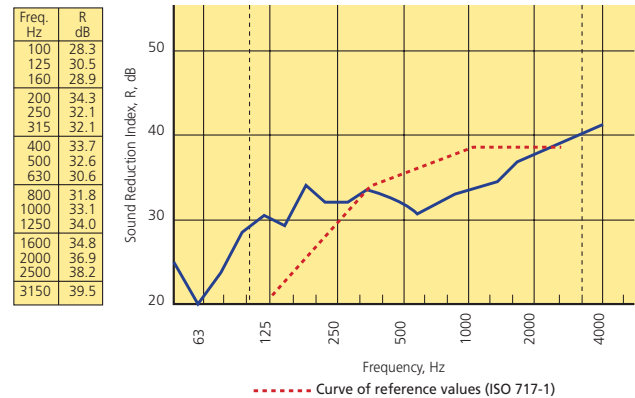
Rw 35 decibel single leaf acoustic doorset.



Rw 41 decibel double leaf acoustic doorset.



Rw 35 decibel double leaf acoustic doorset.



All the above are laboratory test results. Site results may differ depending on flanking transmission paths, quality of installation and other factors. Soundsorba Limited cannot accept any responsibility for any such factors.

DOORSORBA™

Acoustic Internal Timber Doorsets

INSTALLATION GUIDE

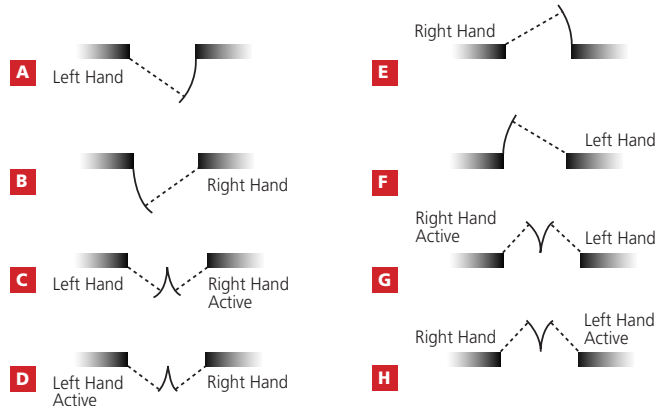
DOORSORBA acoustic doorsets are installed in a similar manner as normal timber doors. Doorsets are supplied at a moisture content of 6-12% and should not be brought on site until conditions are suitable. Wet trades should be complete and the building dried out and brought to normal working room temperature. DO NOT build-in or install frames as first-fixings.

1. Check the sizes of the doors, the frames and the openings **prior** to starting installation. Only skilled tradesmen should undertake installation as correct fitting door/frame is imperative.
2. Frames should be fitted to the supporting construction using steel fixings at 500mm maximum centres for starting no less than 100mm from base and head. The fixings should be appropriate for the supporting construction and sink into it by a minimum depth of 50mm. It is recommended that fixings should be staggered down each jamb with one fixing behind each hinge and the others behind the stops. Doorsets should have gaps of up to 5mm between the frame and the supporting construction stuffed with mineral wool and fully filled to a depth of 30mm on both faces with a suitable mastic.
3. The weight of acoustic doorsets are heavier than would normally be handled by one person. Larger sized doors should normally be handled by more than two people. Doors should be stacked on a flat and level surface with a minimum of 3 equally spaced bearers. Doors must not be double stacked on top of each other.
4. Decorative veneered doorsets should be protected from strong light in order to prevent discolouration. Full installation instructions are supplied with doorset delivery. Please ask for an additional copy at specification stage.



DOOR HANDING

Please choose which door handing you require from the options below:



GUIDE SPECIFICATION

A. General

1. All DOORSORBA acoustic doorsets should be installed in accordance with manufacturer's instructions.
2. All necessary hardware and accessories for a complete job installation are to be furnished by the contractor.
3. Installation of the doorsets should not begin until all wet work, such as plastering, concrete etc. is completely dry. The doorsets are designed for storage, installation and use under standard occupancy conditions from 10°C to 20°C and not more than 75% Relative Humidity in an enclosed building.
4. The contractor shall be responsible for the examination and acceptance of all surfaces and conditions prior to the doorsets installation.

B. Product

1. Install DOORSORBA acoustic internal timber doorset:-
 Single leaf doorset – external overall door frame size:mm high x.....mm wide.
 Double leaf doorset – external overall door frame size:mm high x.....mm wide.
 Acoustic rating required: 35 decibel or 41 decibel or 44 decibel rating.
 Finish to be.....
 Vision panel (if required) to be: 300 x 300mm or 150 x 700mm.
 Door handing to be: Option.....

DOORSORBA acoustic internal timber doorsets are distributed by:



Prices and Conditions of Sale

Our standard terms and conditions (copy available on request) apply to all orders. Since Soundsorba Limited exercise no control over the use of its products, no legal responsibility is accepted for any application of their products. We reserve the right to change specifications without notice as our policy is one of continuous improvement. Copyright Soundsorba Limited 2003.