



Acoustic doorsets



Leading UK manufacturer
 With over 30 years Experience
 FD30 & FD60 30dB RW – 43 dB RW
 Trada Q-Mark certification
 Part of the Noberne portfolio



www.nobernedoors.co.uk



Acoustic door sets

- Full BS / EN acoustic test evidence
- Full BS / EN fire test evidence
- BM Trada Q mark door sets
- Factory hung door sets
- Full Noberne construction for secure fixings
- Supplied with full acoustic seals packages
- No need for threshold plates
- Full FSC chain of custody
- RIBA NPS plus approved
- FD30 & FD60 fire ratings
- Bespoke manufacturing service



The Need for Acoustics Requirements

Building Bulletin 93 & Approved Document E (England & Wales)

“Each room or other space in a school building shall be designed and constructed in such a way that it has the acoustic conditions and the insulation against disturbance by noise appropriate to its intended use” The minimum performance levels of 30dB RW with music rooms being 35 dB RW.

The challenge that architects, manufacturers and contractors face in meeting the requirements, in finding an effective barrier for noise whilst ensuring fire safety and ease of access for building users. Noberne are able to offer a range of acoustic door sets that have been designed and tested to both fire and acoustics with full prime test evidence guaranteeing a fully compliant solution.

Extended Performance Doorsets

Sound Requirements From 30-43dB Is Standard

There is a growing requirement for higher performance door sets, especially in the education and healthcare sector. With specifications regularly calling for performance of rooms to achieve up to a 50 dB RW rating. Therefore specifying the correct door is key to achieve this. By using suitable wall constructions and a 40 dB RW door, the room construction can achieve upwards of 50 dB RW. Noberne doorsets utilize full fire test evidence, and so we are able to offer solutions to suit all applications. Doors can be offered in painted, laminate or veneer finish (with standard antibacterial lacquer).

The ability of Noberne to offer NFR, FD30, FD60, FD90, FD120, X-ray and ballistic doors make specification on a project very easy with a one stop shop for a project.

Primary Test Evidence Is Key

Why would you buy a product that a manufacturer had not tested?

When high performance is required, you would expect the manufacturer to have test evidence to prove it. All of Noberne doors portfolio come with prime test evidence carried out at the Sound Research Laboratories Ltd in Sudbury the leading authority on acoustics with its UKAS approved test laboratory to BS EN ISO 140-3: 1995 standards.



APPLICATIONS

Schools, Colleges and Universities.
Hotels bedrooms & function rooms.
Concert Halls & Theatres.
Interview & Meeting rooms.
Music & television studios.

CUSTOM SOLUTIONS

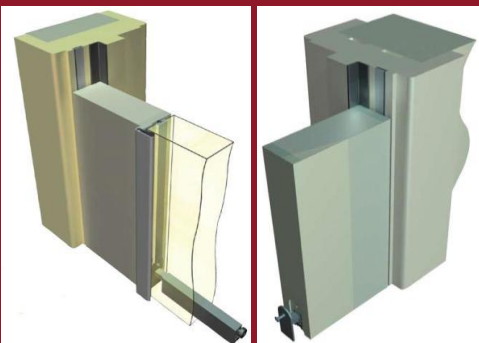
Noberne have carried out specific tests for clients to develop project specific products for the UK & export markets.

SPECIFIC APPLICATIONS / TESTING

Our technical team is happy to assist in writing of a suitable specification for acoustic door sets to meet the specific requirements of your project.

SEALING SOLUTIONS

Our experience of using the right seal for the application allows us to offer peak performance. With minimum intrusion to frame using Noberne Sonic, Lorient, Pyroplex and Norsound products. All backed by full test evidence



Customer solutions

Noberne work in partnership within our industry and offer OEM solutions to leading door manufacturers who do not have their own test evidence (prime or cascaded) within their own manufacturing or reworking packages. By supplying door sets we can ensure that the product offered is as tested utilizing the appropriate acoustic seals to suit the application required.

Series 3 door sets 31-34 db

FD30 44mm fire rated timber door sets with either a softwood or hardwood frame, with Noberne Perimeter frame construction offer enhanced fire and acoustic performance. Doors can be supplied as singles and pairs with and without glazing offering acoustic values of 31db for flush doors in both singles and pairs. With the addition of vision panels we can offer 34db in both singles and pairs. Using Noberne Sonic acoustic seals package eliminates the need for threshold plates.

Series 5 door sets 33-36 db

FD60 54mm fire rated timber door set with hardwood frame, fitted with Noberne Perimeter frame construction offer enhanced fire and acoustic performance. Doors can be supplied as singles and pairs with and without glazing offering acoustic values of 33db for flush doors doors both single and pairs. With the addition of vision panels we can offer 36db in both singles and pairs. Using Noberne Sonic acoustic seals package eliminates the need for threshold plates.

Series SR door sets 38-43db

FD30 / FD60 54-59mm fire rated timber door sets with a hard wood frame, with a floating acoustic core construction offering enhanced fire and acoustic performance. Doors can be supplied as singles and pairs with and without glazing offering acoustic values of 40db for single flush doors and 38db for pairs. With the addition of vision panels we can offer 43db in singles and 41 db in pairs. Using Lorient or Norseal acoustic seals packages with threshold plates.

CASE STUDY PHOTOGRAPHS



Noberne Doors Acoustic Performance Matrix

ACOUSTIC RATINGS - SINGLE ACTION SINGLE DOORS				
Door Core	Fire Rating	Thickness	Glazed/Unglazed	dB Rating RW
Series 3	FD30	44	unglazed	31
Series 3	FD30	44	7mm glass	34
Series SR 30	FD30	54	unglazed	43
Series SR 30	FD30	54	15mm glass	43
Series 5	FD60	54	unglazed	33
Series 5	FD60	54	10mm glass	36
Series SR 60	FD60	54	unglazed	40
Series SR 60	FD60	54	21mm glass	40
Series SR 60	FD60	59	unglazed	42
Series SR 60	FD60	59	21mm glass	42
ACOUSTIC RATINGS - SINGLE ACTION DOUBLE DOORS				
Door Core	Fire Rating	Thickness	Glazed/Unglazed	dB Rating RW
Series 3	FD30	44	unglazed	31
Series 3	FD30	44	7mm glass	34
Series 5	FD60	54	unglazed	33
Series 5	FD60	54	10mm glass	36
Series SR 30	FD30	54	unglazed	38
Series SR 30	FD30	54	15mm glass	40
Series SR 60	FD60	54	unglazed	40
Series SR 60	FD60	54	23mm glass	39
Series SR 60	FD60	59	unglazed	42
Series SR 60	FD60	59	23mm glass	41

The table above shows a summary of our acoustic door sets, both in singles and pairs fitted with appropriate sealing solutions. Detailing both FD30 and FD60 applications that we offer. Tested values relate to single and pairs of doors with a square meeting style. For details of other configurations please contact our technical team.

Specification Service

For more information please contact our sales / technical team and we will be pleased to assist you with your requirements, and advise on L20 specifications for tender documents. Call 0113 277 8577 or email sales@nobernedoors.co.uk

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