

# ACOUSTIC DOORS

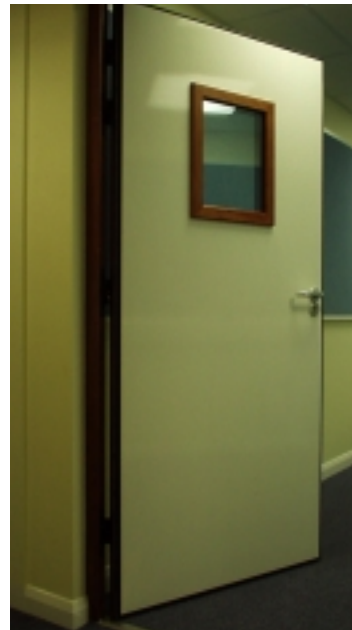
## ISA-DX 43 and 45 Timber Construction



The range comprises both single and double leaf door sets manufactured to the highest acoustic and architectural standards. They are generally supplied to suit the individual needs of specific applications and are available with either painted finish or in a range of hardwood veneers with frames to match.

## Size and Handing

Single and double leaf doorsets are available in a range of sizes, all of which are tabulated below. The frame thickness of 68mm and leaf thickness of 47mm are common to both single and double arrangements.



All can be handed to suit your requirements and doors can be provided either with or without thresholds. Double doors are usually fitted with a central meeting stile to maintain a good seal and hence afford reliable acoustic performance.

## Typical Applications

Music practice rooms, recording studios, control rooms, interview rooms, audiology facilities, radio and television studios, conference rooms and consulting rooms.

## Description

The range comprises two alternative levels of performance Rw45 and Rw47, with both featuring two flexible acoustic seals. All doorsets would be supplied complete with standard hinges, latch/levers and Europrofile cylinder lock. Self-closing devices and other furniture can usually be supplied to meet specific design requirements. Where required, laminated or Georgian wired polished plate glass safety windows can be fitted.

## Finishes

A wide range of timber veneered finishes can be provided, although doorsets are usually supplied to site prime painted ready for site finishing in colour to suit. Colours may be selected from the standard BS and RAL ranges. The door frames and window surrounds are manufactured from hardwood and would normally be left unfinished to compliment the chosen finish for the door leaves.

## Fire Rating

Although not tested to British Standards the doorsets achieve the French CF30 Fire Resistance Standard (nominally 30 minutes).

## Acoustic Performance

The doorsets would be designed to achieve the following sound reductions

Frequency (Hz)	125	250	500	1k	2k	4k
ISA-DX 43	28	32	43	46	49	48
ISA-DX 45	27	37	48	50	51	50

Door Type	Builders work Opening Width x Height	Clear Opening Width x height
ISA-DX 43 & 45 Single Leaf Doorset	820mm x 2100mm	678mm x 2008mm
	920mm x 2100mm	778mm x 2008mm
	940mm x 2100mm	798mm x 2008mm
	1020mm x 2100mm	878mm x 2008mm
	1120mm x 2100mm	978mm x 2008mm
	1220mm x 2100mm	1078mm x 2008mm
ISA-DX 43 & 45 Double Leaf Doorset	1550mm x 2100mm	Dependent upon whether a central meeting stile is fitted
	1750mm x 2100mm	
	1790mm x 2100mm	
	1950mm x 2100mm	
	2150mm x 2100mm	
	2350mm x 2100mm	

