

Acoustic Doors **Horizontal & Vertical Sliding**



SINGLE LEAF SLIDING



VERTICAL SLIDING



SINGLE LEAF SLIDING



SINGLE LEAF FIRE RATED



BI PARTING HORIZONTAL SLIDE

- Independent settings for opening and closing speeds.
- Controlled acceleration and deceleration via a programmable damping facility.
- Accurate, repeatable positioning for consistent seal compression for good acoustic performance using an optical encoder system.
- Proximity switch reference which compensates for any possible mechanical wear in the drive mechanism to ensure continuous precise closing.
- L.C.D. displayed diagnostic routine for easy trouble shooting.



- **Acoustic Rating - STC 47 (independently tested)**
- **Available from stock**
- **High quality furniture**
- **Standard size - to fit a structural opening 2100mm high x 1000mm wide (see also 'frame size' overleaf)**
- **Supplied as complete door set, ready for immediate installation**

IDEAL FOR:

Broadcasting, Post-Production and Recording Studios
Language Laboratories
Cinemas
Theatres
Plant Rooms
Conference/Function Rooms
Kitchens
Offices
Audiometric Rooms
Machinery Enclosures

NOISE-LOCK 47 STOCK DOORS

IAC Bulletin NL47-DS/2.00

A Range of 4, Standard, High-Performance Acoustic Doors

IAC is the UK's only specialist acoustic products manufacturer to offer a range of high performance acoustic doors from stock. While every other manufacturer supplies only to order - with typical delivery periods of 6 to 8 weeks - IAC has broken with convention because the accelerated timescales of many building projects frequently cannot accommodate this kind of delay. Immediate delivery, however, does not mean a compromise in price and quality. Noise-Lock 47 doors are manufactured using the best materials to an architecturally pleasing and thoroughly tested design, and are available at highly competitive prices. Suitable for all types of building and refurbishment projects, the IAC Noise-Lock 47 range provides specifiers and contractors with a "no-nonsense", cost-effective solution to their acoustic door requirements.



Product Specification

Models

There are four models in the Noise-Lock 47 range: 47-A, 47-B, 47-C and 47-D. Please quote model number on all specification/purchasing documents.

Size

Structural opening:
2100mm high x 1000mm wide
Clear Opening (between jambs):
1985mm x 848mm
Size of frame:
2144mm x 1098mm

Construction

The door leaf is constructed from 1.6mm sheet steel, filled with sound absorbing and damping materials, and has an overall thickness of 64mm. All doors are hung in an architectural steel split frame which has a bevelled floor threshold fitted with double compression seals.

Applications

Suitable for all types of structures, even those built from stud partition walls (when adequately strengthened).

Acoustic Seals

Sides and head of door and frame have two (2) sets of self-aligning magnetic seals.

Furniture (all models)

Hinges - Two (2) heavy duty level-swing steel hinges. Hinges of an identical design have been cycle tested a minimum of 125,000 times while supporting a door leaf weighing 159 Kg/350 lb.

Handles - Two (2) anodised aluminium pull handles.

Window

(Models 47-C and 47-D only)

One (1) double-glazed aluminium framed STC 47 Noise-Lock window 150mm wide x 610mm high.

Lock

(Models 47-C and 47-D only)

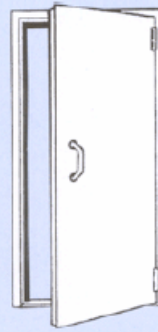
One (1) ASSA 2788 upright mortice deadlock, thumb turn and cylinder included.

Models

There are four models in the IAC Noise-lock range: left or right hand hinge, with or without a twin-glazed window and lock (operable from both sides).



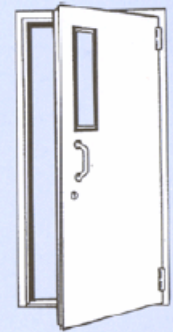
Model 47-A
Left-hand hinge



Model 47-B
Right-hand hinge



Model 47-C
Left-hand hinge
with window
and lock



Model 47-D
Right-hand hinge
with window
and lock

Weight

50 Kg per m² approximately.

Finish

White prime paint.

Installation

Service available on request.

Optional Equipment

Door closer, special paint finishes - please contact IAC for further details.



IAC is a BS EN ISO 9001 quality registered company



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Acoustic Performance

TRANSMISSION LOSS (dB)
CENTRE FREQUENCY HZ

	125	250	500	1K	2K	4K	STC
LABORATORY TEST	23	41	43	47	52	56	47
FIELD PERFORMANCE	22	40	38	39	48	54	43

For more detailed information concerning the complete range of IAC Noise-Lock doors please refer to Bulletin No. AD/1.99

Other IAC Architectural Products and Systems:

- Custom-designed acoustic doors
- Trackwall acoustic moveable walls
- Accu-tone broadcasting and recording studios

- Moduline audiometric rooms
- Noise-Lock ceiling systems and floors
- Noishield acoustic louvres
- Varitone sound absorption systems
- Noise-Lock windows

ΕΥΛΙΝΕΣ ΑΚΟΥΣΤΙΚΕΣ ΠΟΡΤΕΣ ΓΑΛΛΙΑΣ 30-56 dB

	THICK. (mm)	ACOUSTIC Norm EN ISO 717		FIRE RESIST. Flame protection		STABILITY (mm) Norm EN 79		EXTERIOR		REINFORCED		EXTERNAL FRAME		Page
		1 DL	2 DL	1 DL	2 DL	Climat III	Climat II	Walkway	Unshelved	Metal Number of sheets	Anti Break in Class Norm	Wood	Metal	

CLUB 30	40	30		CF 30								x	x	Mixed	4
CLUB 39	40	41	41	CF 30	CF 30							x	x	Mixed	4
ISACLUB 30	41	30		CF 30			< 4					x	x	Mixed	5
ISACLUB 39	41	41	41	CF 30	CF 15		< 4					x	x	Mixed	5
VICTORIA 36 CF	56	36		CF 30			< 4					x	x	Mixed	6
VICTORIA 37 BL	57	37		CF 30			< 4			2		x	x	Mixed	6
ADX 21	41	38		PF 30			< 2			2		x	x	Mixed	7
ADX 25	41	38		PF 30			< 2			2		Mixed	x	Mixed	7
ADX CLIMAT	52	41		CF 30			< 1		x	2		x			12
ISAD EX CLIMAT	52	40					< 1			2		x			12
ISAD X 39	41	40		CF 30			< 1			2		x	x	Mixed	8
ISAD X 396	63	39		CF 60			< 1			2		x			9
ISAD X 41	41	42		CF 30			< 1			2 + 1		x	x		8
ISAD X 426	63	42		CF 60			< 1			2 + 1		x			9
ISAD X 43	47	45	45	CF 30	CF 30		< 1			2 + 1		x	x		10
ISAD X 45	47	47	46	CF 30	CF 30		< 1			2 + 1		x	x		10
ISAD X 49	80	50/51	50	CF 30	CF 30		< 1			4 + 2		x			11

COMMUNICATING ROOMS PROGRAMME

LOCK 52	2 X 41	55		CF 30			< 4					x	x		4
LOCK 56	2 X 52	56		CF 30			< 1			2 x 2		x			4

GARAGE/DWELLING DOORS PROGRAMME

ISAD K 1.6	41	28					< 4					x	x	Mixed	13
ISAD K 0.9	41	30					< 4					x	x	Mixed	13
VICTORIA 36	40	36					< 4					x	x	Mixed	13

VICTORIA 36 FR. VICTORIA 37 FR.B.

Fire retardant or reinforced VICTORIA landing doors harmonize perfectly with the postformed communicating doors in this range - ATLANTE (2 postformed panels), shown here, and THEMIS (3 postformed panels with straight crosspiece).



ADX 21 REINFORCED ADX 25 ANTI-BREAK IN



The ADX 25, an anti-break in landing door, is without question the most advanced door in its category. Its 3.0 mm profiled steel sheet is wrapped around the 100 ribs control armoring and protects the 3 lock chambers (ADP 1 class). In addition to its level 1 classification in human tests (NF P 23006), it achieves level 4 category (4) in conventional fire tests, reinforced locking properties and impact resistance (BPP 20031 and 20051). Variant ADX 21 reinforced, not classified as anti-break in.



