

Super Noise-Lock® Doors

Large high performance
acoustic doors

- Heavy duty steel construction
- Standard and custom sizes (2-50m²)
- In house design, manufacture and installation
- Over 60 years experience
- ISO 9001 quality registered

AN-ECHOIC CHAMBER



Super Noise-Lock®

High performance doorsets to suit a wide range of applications

IAC Acoustics is a global supplier of high-performance steel acoustic doors with over sixty years of experience in solving issues relating to noise isolation and containment. IAC offers a wide range of standard models, plus the ability to custom design and manufacture doors to suit specific applications.

Thousands of Super Noise-Lock® acoustic doors have been installed in industrial and commercial buildings throughout the world. Typical applications include hotels, theatres, film studios, nightclubs, data centres, museums, test cells, laboratories, plant rooms, and power stations — in fact virtually any situation where sound must be contained within or excluded from a room or building.

Engineered and Factory Assembled Advantages

IAC Acoustics produces an engineered system — factory assembled complete with a leaf, Z-frame, seals, hinges and hardware. All doors are pre-hung (size permitting) for operational alignment, fit and finish before shipping.

We have many years of Super Noise-Lock® door field data taken from many recognised brands in order to guarantee installed performance.

Standard Super Noise-Lock® Product Range:

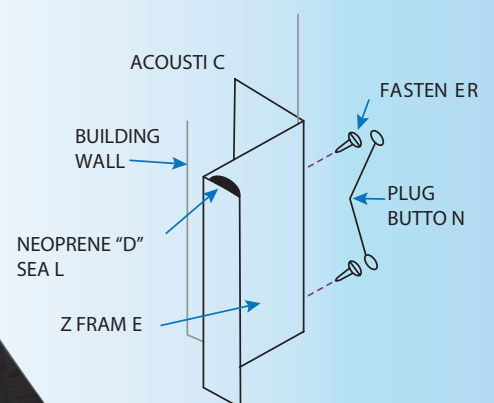
- Single leaf
- Double leaf
- Access hatches

Features Available

- Up to 50 m² double doors
- Pass or access doors within main leaf
- Actuators and door stops for safety control
- Robust enough to accept additional surface finishes / cladding

Acoustic Performance

- R'w50dB to R'w55dB



Typical Customers

IAC Acoustics has worked with many organisations to provide solutions to noise reducing access systems, including the following:

- Volvo Cars
- Cummins Power Generation
- National Grid
- Royal Conservatoire of Scotland
- MK Dons Arena
- AVL
- University of Salford
- Lotus Engineering
- BMW
- FG Wilson
- Bajaj
- AVL
- Lyric Theatre, Belfast



High Performance Features

IAC Acoustics' features high-performance functionality including:

- Compression seals
- Triple latch active leaf hardware
- Twin latch inactive leaf hardware
- 6mm flat threshold

Acoustic Performance

Door Model	Acoustic Rating (R'w)	Leaf Thickness	Acoustic Seal	Octave Band Centre Frequency, Hz								Weight
				63	125	250	500	1k	2k	4k	8k	
				Sound Transmission Loss, dB								
Super Noise-Lock® D-50	50	102mm	Twin Seal	25	42	52	54	51	60	57	59	69kg/m²
Super Noise-Lock® D-55	55	150mm	Triple Seal	39	47	48	60	61	61	55	56	140kg/m²

Complementary Products

In addition to doors, IAC Acoustics offers a range of other components that integrate seamlessly to form larger and more complex noise control systems. These products include Moduline™, IAC's modular acoustic construction panel system, Noise-Lock® acoustic windows, TrackWall™, a moveable partition system and VisionWall™, a range of large-sized acoustic exterior windows.



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