

Noise-Lock® Doors

Architectural high performance
acoustic doors

- Certified performance
- Steel construction
- Standard and custom sizes
- In house design, manufacture and installation
- Over 60 years experience
- ISO 9001:2015 certificate
- CE-conformity



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.

Typical applications include hospitals, hotels, schools, offices, broadcasting studios, nightclubs, 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, split-frame, seals, hinges and hardware. All doors are pre-hung for operational alignment, fit and finish before shipping.

Noise-Lock® Doors are laboratory-tested for performance in both IAC R&D facilities and independent laboratories, further supported by installed site testing. IAC Acoustics is renowned for quality, durability and guarantees in-field performance.

Noise-Lock® Range

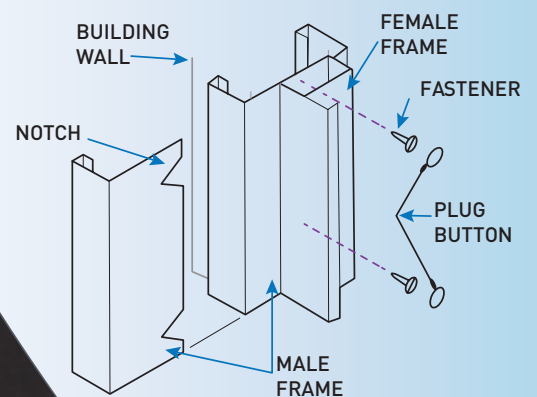
- Single leaf
- Double leaf
- Fire rated
- Link
- Glazed
- Hatches

Features Available

- Blast / ballistic resistance
- Radio frequency shielding
- Electrical operation
- Acoustic sliding

Acoustic Performance

- STC 47-69/Rw46-Rw67



Performance and Flexibility

IAC Acoustics offers a comprehensive range of products designed for architectural, industrial and security applications. IAC Acoustics' Noise-Lock® doors feature:

- High acoustic ratings
- Performance STC-47/Rw46 to more than STC-69/Rw67
- Design flexibility
- High-performance doors for both architectural and industrial applications
- Radio frequency shielding up to 80dB
- Fire smoke resistance
- With absorbers
- Blast-resistance
- Bullet-resistance
- Automatic
- Wood veneer
- With glazing



High Performance Features

IAC Acoustics' features high-performance functionality including:

- Self-aligning magnetic seals assure long life and high field performance, even under constant use
- Parallel hinges and cam-lift hinges lower and seal the door to the floor eliminating the high-maintenance of automatic drop seals
- Split frames eliminate in-field grouting to achieve the specified acoustic performance and provide quick and clean installation times
- Prime painted and powder painted in RAL colours

Acoustic Performance

Door Model	Acoustic Rating				Leaf Thickness	Octave Band Centre Frequency in Hz								Weight
	Rw	R'w	STC	NIC		63	125	250	500	1k	2k	4k	8k	
						Sound Transmission Loss, dB								
For acoustic performance <50dB, please see IAC Acoustics' range of Noishield Doors														
Noise-Lock® D-50	50	45	51	46	64 mm / 2½"	22	26	46	50	52	52	58	51	44 kg/m² 9lb/ft²
Noise-Lock® D-52	52	47	53	48	64 mm / 2½"	23	30	47	52	54	52	57	55	54kg/m² 11lb/ft²
Noise-Lock® D-53	53	48	54	49	89 mm / 3½"	23	32	52	53	53	52	62	≥62	78 kg/m² 16lb/ft²
Noise-Lock® D-59	59	54	61	56	89 mm / 3½"	-	33	54	58	60	62	69	-	80 kg/m² 16lb/ft²
Noise-Lock® D-63	63	58	64	59	127 mm / 5"	-	40	56	61	64	66	70	-	88 kg/m² 18lb/ft²
SuperNoise Lock®	53	51	54	52	135 mm	28	38	42	52	53	60	61		170 kg/m²
SuperNoise Lock®	59	57	59	58	150 mm	29	44	51	56	58	62	64		200 kg/m²
SuperNoise Lock®	67	66	69	67	150 mm	32	49	57	67	68	77	84		230 kg/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 movable partition system and VisionWall™, a range of large-sized acoustic exterior windows.

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Management
System
ISO 9001:2015

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