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Noise Lock Windows[®]

ARCHITECTURAL HIGH PERFORMANCE
ACOUSTIC WINDOWS





Noise Lock Windows®

HIGH PERFORMANCE ACOUSTIC WINDOWS TO SUIT A WIDE RANGE OF APPLICATIONS

IAC Acoustics is a global supplier of high-performance steel acoustic windows 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 windows to suit specific applications.

Thousands of Noise-Lock® acoustic windows have been installed in industrial and commercial buildings throughout the world. 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 whilst still maintaining visibility.

Engineered Advantages

IAC Acoustics produces an engineered system — custom-designed in-house to suit the required opening of any given project. Utilizing precision laser cutting and state-of-the-art fabrication, all Noise-Lock® windows are simple to assemble on site by our network of highly experienced installation crews. Noise-Lock® windows are laboratory-tested for performance in both IAC's own R&D facilities and independent laboratories, further supported by installed site testing and engineering calculations for custom specifications. IAC Acoustics is renowned for quality, durability and guarantees in-field performance.

making the world a quieter place

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WINDOWS TO SUIT A WIDE RANGE
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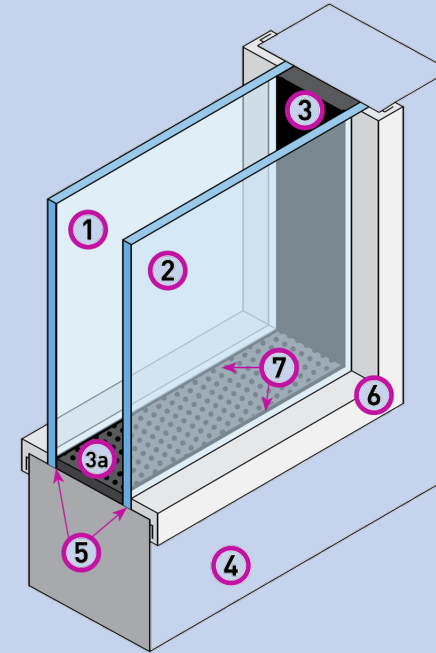
Performance and Flexibility

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

- Performance ratings from Rw47 / STC-46 to Rw68 / STC-68
- Design flexibility with all windows available in standard and custom sizes or designs
- Supported with laboratory test data
- High-performance windows for both architectural and industrial applications
- UL, BS and EN fire ratings available
- Bullet resistant glass options available
- Industry leading fabrication times and quick-ship programs

Design Feature

- ① 6.4mm laminated safety glass
- ② 6.4mm laminated safety glass
- ③ Acoustic foam ③a Optional perforated reveal
- ④ Host wall
- ⑤ Neoprene acoustic seal
- ⑥ Painted steel capping frame
- ⑦ Acoustic foam retainer



IAC Noise-Lock® windows are available with a number of standard and custom design options. Please consult IAC

Acoustics for availability of both standard and bespoke features such as angled panes, bullet resistant glass and

EN 1634-1 (EI) fire rated frames in various specifications from E30 to EI90. All IAC Noise-Lock® windows are built

to order and site assembled using laminated safety glass as standard.

Complementary Products

In addition to windows, 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 doors, TrackWall™, a movable partition system and VisionWall™, a range of

large-sized acoustic exterior windows.

Acoustic Performance

Window Model	Acoustic Rating				Minimum Wall Thickness	Octave Band Centre Frequency, Hz							
						63	125	250	500	1k	2k	4k	8k
	Rw	R'w	STC	NIC		Sound Transmission Loss, dB							
Noise-Lock® W-47	47	45	46	44	100mm / 4"	20	28	34	44	52	54	63	-
Noise-Lock® W-50	50	48	50	48	150mm / 6"	18	32	38	48	55	56	62	-
Noise-Lock® W-53	53	51	54	52	200mm / 8"	20	33	40	51	59	61	69	-
Noise-Lock® W-55	55	53	55	53	300mm / 12"	22	34	42	53	61	64	73	-
Super Noise-Lock® W-58	58	56	58	56	250mm / 10"	24	36	45	55	64	68	78	-
Super Noise-Lock® W-60	60	58	60	58	350mm / 14"	26	38	47	57	66	70	80	-
Super Noise-Lock® W-63	63	61	63	61	350mm / 14"	29	41	50	60	69	73	83	-
Super Noise-Lock® W-65	65	63	65	63	400mm / 16"	31	43	52	62	71	75	85	-
Super Noise-Lock® W-68	68	66	68	66	530mm / 21"	38	48	56	65	72	78	85	-



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IAC has worldwide offices and manufacturing plants in the UK, Australia, Canada, China, Malaysia, Indonesia, Thailand, Philippines Denmark, France, Germany, Italy, Spain, UAE - Dubai, USA Houston, USA Lincoln, USA - New York.

