Noise-Lock® Doors
Architectural High-Performance Acoustic Doors

- Certified performance
- Steel construction
- Standard and custom sizes
- Pre-hung and fully factory assembled
- UL fire, blast and security rating options available
- Over 60 years experience
- Wood veneer and powder coat finishes
IAC Acoustics is a leading supplier of high-performance steel acoustic doors with over sixty years of experience in solving issues relating to noise isolation and containment. IAC Acoustics offers a wide range of standard models, plus the ability to custom design and manufacture doors to suit specific applications.

Over one million Noise-Lock® acoustic door sets 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 from a room or building.

**Engineered and Factory Assembled Advantages**

IAC Acoustics produces an engineered system — fully 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 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 Performance**
- STC-51 / Rw50 to STC-64 / Rw63
IAC Acoustics offers a comprehensive range of high-performance products designed for architectural, industrial and security applications. IAC Acoustics’ Noise-Lock® doors feature:

- Performance ratings from STC-51 / Rw50 to more than STC-64 / Rw63
- Design flexibility with all doors available in standard and custom sizes or designs
- Multiple sized options of Vision Panels, supported with laboratory test data
- Wood veneer and powder coat finish options
- UL fire ratings available
- Blast-resistance ratings up to 3psi
- Radio frequency shielding up to 100dB
- Security rated SCIF that meets ICD 705, JAFAN 6/9 and TEMPEST requirements
- ADA compliance
- Industry leading fabrication times and quick-ship programs

## High-Performance Features

- Self-aligning magnetic seals assure long life and high field performance, even under constant use
- 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

## Acoustic Performance

<table>
<thead>
<tr>
<th>Type</th>
<th>Acoustic Rating</th>
<th>1/3 Octave Band Center Frequency, Hz</th>
<th>Test Report (Year)</th>
<th>THK Inches (mm)</th>
<th>WT lb/ft² (kg/m²)</th>
<th>Seals</th>
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<tr>
<td><strong>Swinging Door</strong></td>
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<td>Sound Transmission Loss, DB</td>
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<td>STC 51 Rw 50</td>
<td>23 12 18 23 31 38</td>
<td>63 80 100 125 140</td>
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<td>24 20 23 28 37 44</td>
<td>51 50 22 24 27 31</td>
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<td>9 (44)</td>
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<tr>
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<td>53 52 22 24 27 31</td>
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<td>54 53 21 28 28 40</td>
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<td>16 (78)</td>
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<td>55 54 21 28 29 40</td>
<td>3-1/2 (89)</td>
<td>b</td>
<td>16 (78)</td>
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<td>22 28 28 41 51 54</td>
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<td>16 (78)</td>
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<td>24 32 36 44 51 53</td>
<td>64 63 24 32 36 44</td>
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<td><strong>Full Glass</strong></td>
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<td>Noise Reduction, DB</td>
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<td><strong>Sliding</strong></td>
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</tbody>
</table>

IAC Acoustics Seal System: a) single magnetic; b) double magnetic; c) magnetic tri-seal; d) magnetic compression tri-seal; e) automatic pneumatic; f) automatic labyrinth compression
Making the World a Quieter Place
Markets Served by IAC Acoustics

Architectural

Medical & Life Sciences

Test Facilities

Industrial

Dyno Test Rooms

HVAC

www.iacacoustics.com