

Super Noise-Lock® Doors

Oversized Architectural High-Performance Acoustic Doors



- Field verified performance
- Steel construction
- Manufactured to custom sizes
- Fire, blast and ballistic rating options available
- Standard & custom hardware options
- Over 70 years experience





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Oversized High-Performance Acoustic Doors

IAC Acoustics is a leading supplier of high-performance steel acoustic doors with over seventy 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.

Hundreds of Super Noise-Lock acoustic door sets have been installed in industrial and commercial buildings throughout the world. Super Noise-Lock Doors are IAC's solution to "elephant doors", and are typically utilized when the door size must exceed 14' x 14'. These are beneficial in virtually any situation where sound must be contained within or excluded from a room or building.

Standard Features Include:

- Field verified performance rating
- Manufactured to custom sizes
- 4" or 6" thick door leaf
- Available with manual or electric operation
- Rugged steel construction
- Glazing options available

Optional Features Include:

- Fire rated construction
- Blast & ballistic ratings
- Noise-Lock® (man door) within Super Noise-Lock door as means of egress



Super Noise-Lock® Doors Available as:

- **Swing Door**
(single, double, tri & quad-leaf)
- **Horizontal Slide Door**
(single slab or bi-parting)
- **Vertical Lift Door**



High-Performance Features

- Cam-lift hinges lower and seal the door to the floor eliminating the high-maintenance of automatic drop seals
- System eliminates in-field grouting to achieve the specified acoustic performance with quick and clean installation

Typical Applications

- Stage doors for theaters
- TV & movie sets
- Industrial & automotive testing facilities
- Anechoic chambers
- Industrial enclosures
- Hangers
- Power generation

Acoustic Performance

STC 50 (dB) to achieve minimum NIC 45 and STC 55 (dB) to achieve minimum NIC 50 once installed (subject to flanking).

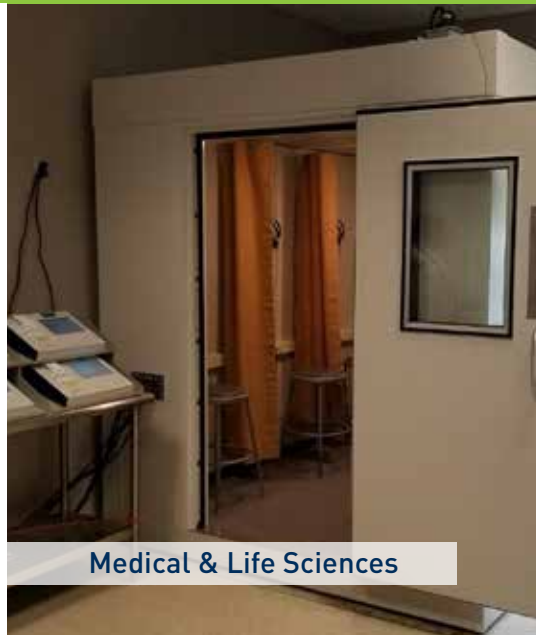
| Frequency (Hz) | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 4000 |
|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| STC 50 (NIC 46 Performance) Swing | 48 | 51 | 50 | 46 | 44 | 47 | 49 | 47 | 49 | 48 | 45 | 47 | 45 | 47 | 46 | 46 |
| STC 55 (NIC 53 Performance) Swing | 48 | 44 | 45 | 48 | 51 | 51 | 52 | 50 | 52 | 51 | 50 | 52 | 58 | 59 | 64 | 65 |
| STC 55 (NIC 54 Performance) Sliding | 45 | 45 | 45 | 45 | 49 | 49 | 49 | 52 | 52 | 52 | 60 | 60 | 65 | 65 | 65 | 63 |

Making the World a Quieter Place

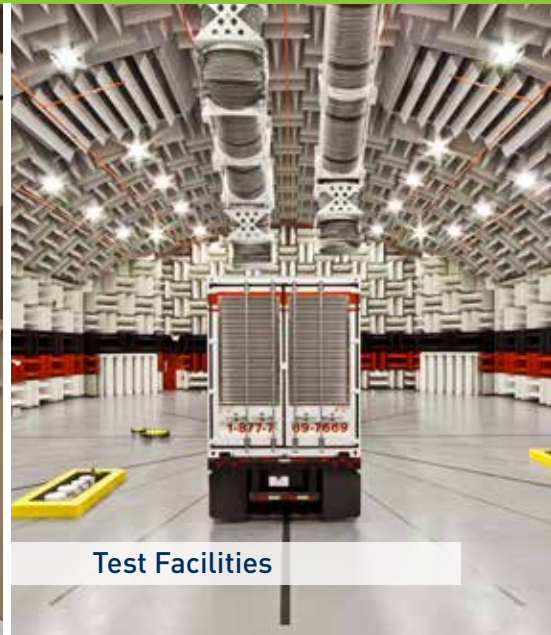
Markets Served by IAC Acoustics



Architectural



Medical & Life Sciences



Test Facilities



Industrial



Dyno Test Rooms



HVAC