

# 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





# Super Noise-Lock® Doors

## 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).

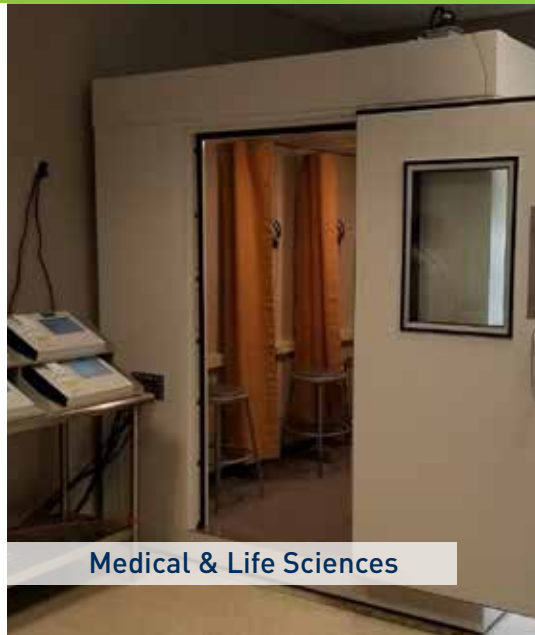
Frequency (Hz)	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000
STC 50 (NIC 46 Performance) Swing	48	51	50	46	44	47	49	47	49	48	45	47	45	47	46	46
STC 55 (NIC 53 Performance) Swing	48	44	45	48	51	51	52	50	52	51	50	52	58	59	64	65
STC 55 (NIC 54 Performance) Sliding	45	45	45	45	49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

# Making the World a Quieter Place

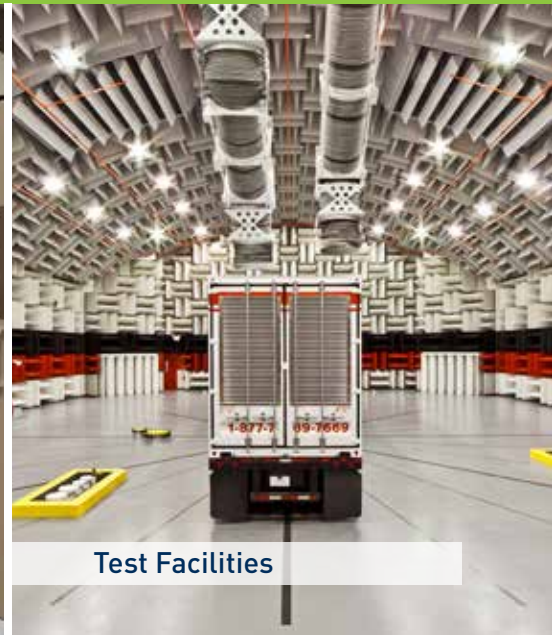
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