



## Acoustic Doors

*IES2000, Inc. distributes the finest factory assembled and field proven doors in the noise control industry.*

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IES2000, Inc. distributes the finest factory assembled and field proven doors in the noise control industry. The Acousti-Door is completely factory assembled including the installation of both sets of magnetic seals, all hardware and even glazing if required. The result is a door that leaves the factory truly ready to install. See the door comparison literature for more details on this feature.

All of our doors are manufactured by noise control door specialist in the United States. Our fixed frame or split-frame system allows for an easy installation for a wide array site requirements. Our Acousti-Door doors are in service everywhere from some of the most sophisticated performing arts centers to the most demanding industrial applications, and everywhere in between.

IES2000, Inc. Acousti-Door noise control doors are all manufactured to meet your exact needs and applications. We believe that cookie cutters are for the kitchen so we want you to have exactly the size and configuration that your project desires!

#### Highlights of the Acousti-Door Door System include:

- Completely factory assembled door system
- Single source responsibility for seal, hardware and glazing installation
- Easy and fast on-site installation.
- Proven laboratory and field performance
- Flexibility in size and configurations, including choice on veneers

IES-2000, Inc. offers technical support personnel and representatives with the experience necessary to assist you in the design, supply and installation of your noise control solution. Submittal packages include the drawings, test data and easy to follow step-by-step installation instructions to allow your personnel to install the door systems. IES-2000, Inc. also offers professional installation service through out North America. Single-Leaf, Double-Leaf or Bi-Fold, Sliding or Lift Designs.

#### Ideal For:

Radio/TV/Audio Recording Studios, Stage and Rehearsal Areas, Convention Halls, Auditoriums, Music Practice Rooms, Concert Halls, Home Theaters, Conference Rooms, Secure Areas, Sensitive Compartmented Information Facilities (SCIF), Offices and Executive Suites, Doctors' Offices – HIPPA Compliance, Psychiatrist/Psychologist Offices, Audiometric Exam Rooms, Schools



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## Acoustic Doors Product Data

### HM:

This door and frame assembly is just a standard hollow metal commercial door. 1-3/4" thick, 18 gauge solid skins with an 18 gauge frame.  
Weight: 4.25 lbs. per square foot.

Cold Rolled steel construction. The door includes quantity three (3) butt, level swing hinges, passage hardware and is available 1/2 glazed upon request. Prime painting or factory finish painting is available.

### STC 38:

This door and frame assembly is a mid-range performance STC 38 sound control door. 1-7/8" thick, 16 gauge solid skin on one side and 16 gauge on the other side with a 14 gauge top sheet and a 16 gauge frame.  
Weight: 6.75 lbs. per square foot.

Cold Rolled steel construction. The door includes perimeter sound seals and an automatic acoustical door bottom. The door includes quantity three (3) butt, level swing hinges, passage hardware and is available 1/2 glazed upon request. Prime painting or factory finish painting is available.

### STC 43:

This door and frame assembly is a mid-range performance STC 43 sound control door. 2" thick, 12 gauge solid skin on both sides with a 16 gauge frame. Weight: 7lbs. per square foot.

Cold Rolled steel construction. The door includes perimeter sound seals and a mortised bottom Teflon coated acoustical compression seal. The door includes a continuous aluminum hinge, passage hardware and is available 1/2 glazed upon request. Prime painting or factory finish painting is available.

### STC 48:

This door and frame is a "split-frame" high performance STC 48 sound control assembly. 2-1/2" thick, 12 gauge solid skin on both sides with a 12 gauge frame. Weight: 9 lbs. per square foot.

All galvanized construction using "paint ready" galvaneal A-60 steel. The door includes two sets of magnetic perimeter sound seals on the jamb and head and a mortised Teflon coated acoustical compression bottom seal. The door includes quantity two (2) cam-lift hinges and push-pull hardware with a mortised box for standard builder's hardware.

Our standard hardware is the Schlage L9000 series mortised lockset with lever handle, available upon request. Other hardware is compatible with our door but may affect the lead time.

Upon request the door can include a window: 12" x 12", 4" x 25", 24" x 36" or 22" x 66".  
Prime painting or factory finish painting is available.

### STC 50:

This door and frame is a "split-frame" high performance STC 50 sound control 2-1/2" thick, 12 gauge solid skin on both sides with a 12 gauge frame.  
Weight: 10 lbs. per square foot.

All galvanized construction using "paint ready" galvaneal A-60 steel. The door includes two sets of magnetic perimeter sound seals on the jamb and head and a mortised Teflon coated acoustical compression bottom seal. The door includes quantity two (2) cam-lift hinges and push-pull hardware with a mortised box for standard builder's hardware.

Our standard hardware is the Schlage L9000 series mortised lockset with lever handle, available upon request. Other hardware is compatible with our door but may affect the lead time.

Upon request the door can include a window:

12" x 12", 4" x 25", 24" x 36" or 22" x 66".  
Prime painting or factory finish painting is available.

### STC 52:

This door and frame is a "split-frame" high performance STC 52 sound control 3-1/2" thick, 12 gauge solid skin on both sides with a 12 gauge frame.  
Weight: 12 lbs. per square foot.

All galvanized construction using "paint ready" galvaneal A-60 steel. The door includes two sets of magnetic perimeter sound seals on the jamb and head and a mortised Teflon coated acoustical compression bottom seal. The door includes quantity two (2) cam-lift hinges and push-pull hardware with a mortised box for standard builder's hardware.

Our standard hardware is the Schlage L9000 series mortised lockset with lever handle, available upon request. Other hardware is compatible with our door but may affect the lead time.

Upon request the door can include a window: 12" x 12" or 4" x 25"  
Prime painting or factory finish painting is available.

## Acoustic Performance Data

*All tests performed by Riverbank Acoustical Laboratories, an independent NVLAP accredited acoustical testing facility. The test method conforms with ASTM Designations E90-02 and E413-87.*

Sound Transmission Loss Data, dB	1/3 Octave Band Center Frequencies (Hz)																		
	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	STC
STC 45	28	29	34	33	33	35	40	41	44	47	48	47	48	48	47	48	50	41	45
STC-48	28	36	35	36	41	42	45	45	45	50	51	51	52	50	50	50	52	53	48
STC-50	27	37	37	38	42	44	47	50	49	49	49	49	49	51	52	53	55	57	50
STC-52	34	39	37	40	43	45	48	51	52	53	53	50	51	54	58	59	61	59	52
STC-51	36	34	40	43	44	47	47	47	50	50	53	52	52	52	54	57	60	63	51



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