



ACOUSTIC METAL DOORS



High acoustic performance STC up to 55

Up to 4 hours fire-rated

Up to 2 hours fire-insulated

Proven performance with laboratory test evidence

Acoustic solutions that work for all applications...



SIAC acoustic metal door produces engineered combination of acoustical, mechanical and structural features that assure highest noise reduction. Every door is factory-assembled and functionally tested for alignment, fit and functionality. SIAC metal doors are used mainly in offices, factories, warehouses, MRT, Express way, oil and gas plants and marine industries where high durability and weather resistant are needed.

Magnetic Seals: Double magnetic self adjusting and sound absorbing seals form an acoustic labyrinth to provide a tight seal at the head and jamb. Triple seals are used for higher sound insulation.

Cam-Lift Hinges: SIAC proprietary cam-lift hinges greatly improve the sealing of a door. Their lifting and lowering action form a tight compression seal along the bottom of the door. In addition, they use gravity to push the weight of the door against the frame to create a tight seal at the perimeter.

Acoustic & Fire Ratings : Doors are tested in accordance with ISO 140-3 and ASTM E-90 for their sound transmission loss. Fire rating are tested to SS 332:2000 with up to 4 hours for integrity and 2 hours for insulation.

The table below shows the proven acoustic performance of our laboratory tested doors. For further information, please contact our technical team.

Available in single or double leaf configuration

Thickness (mm)	Sound Transmission Loss (dB)						
	125	250	500	1000	2000	4000	STC
50	26	38	37	33	38	38	36
64	36	47	47	51	52	56	51
89	34	48	51	56	57	61	55

OPTIONAL FEATURES

- Steel doors can be stuffed with high quality rock wool in the door panels to provide additional thermal insulation
- Panic bar and multi locking system device
- Elector magnetic locking system
- Oversized doors are available upon request
- Stainless steel kick plate
- Approved ironmongeries as listed in PSB and SETSCO



CERTIFICATE NO. SG04/90005



CERTIFICATE NO. SG04/00196



CERTIFICATE NO. SG12/04036



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For more information on SIAC products and services, please contact us.

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