

LOCKMASTERS®

RF Doors Just Got EASIER



One Easy Solution to Stop Sound & Radio Waves

Two Doors In One - STC & RF STC52/RF60

Lockmasters' Original SCIF Door-in-a-Box (ODIB) Radio Frequency (RF) Door Shielding Performance provides a RF SEdB* 60 dB at 18GHz for Microwave when tested per IEEE-299** and MIL-STD 285 test standards.

Tested by Underwriters Laboratories (UL) and is certified to resist fire for at least 90 minutes.

Patent Pending

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Meets ICD-705 TEMPEST Requirements



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Lockmasters' Original Door-in-a-Box (ODIB) SCIF Radio Frequency (RF) Door Shielding Performance provides a RF SEdB* greater than 60 dB up to 18GHz for Microwave when tested per IEEE-299** and MIL-STD 285 test standards.

What is the Purpose of RF Shielding?

To reduce levels of electromagnetic emissions, specifically to protect sensitive information. Electromagnetic emissions include radio waves, gamma-rays, visible light and all the other parts of the electromagnetic spectrum.

What is a RF Shielded Enclosure?

It is a system comprised of connected components (doors, windows, electrical RF filters for signal and power lines, and mechanical penetrations for water, HVAC air vents, and fire protection sprinkles), that when correctly integrated provides a barrier that reduces a RF electromagnetic signals.

Requirements to Achieve a RF Shielded Enclosure or a "Faraday Cage"?

In order to achieve optimal SEdB levels it is imperative the SCIF enclosure is designed with appropriate conductive materials, that when bonded together achieve a six sided box (walls, ceiling, floor including the door).

RF Shielding Level is Only as Good as the Weakest Component in the System.

The proper installation of an RF door is paramount in maintaining the proper level of SEdB of a SCIF RF Shielded Enclosure. **Please NOTE: To maintain that standard Lockmasters strongly recommends using an installation company that has been certified in our RF Door Installation Certification class.**

Who Benefits

SCIFs/SAPFs

Government Facilities

Data Centers & IT Rooms

Hospital

Research Laboratories

Universities

Casinos & Money Rooms

Office Buildings

*The reduction of the noise source provided by RF shielding is expressed in dB (decibels), and is referred to as Shielding Effectiveness (SEdB).

**IEEE - (Institute of Electrical and Electronics Engineers), which is the standard method of measuring the effectiveness testing at frequencies from 9 kHz to 18 GHz

*** Faraday Cage - A conductive enclosure that protects the inside from electromagnetic radiation (EM) and static electrical charge. Faraday cages are used to protect devices like cell phones, tablets, laptops, and communications equipment.

Product Overview

- Overly Sound Transmission Class (STC) 52
 - STC52 exceeds ICD-705 Sound Group 4 (STC50) at the same price with quicker lead time
- Third party tested RF/STC Door according to:
 - IEEE-299 from 1.0 kHz to 18+ GHz
 - MIL-STD 285
- RF tested with FF-L-2890C LKM10K lockset
- RF attenuation rating of 60db at 18GHz
- Split-Frame for easy installation
- Adjustable Compression Seals
- UL Fire Rated for 90 Minutes
 - In accordance with UL 10C, File R3677, R2114

ONE WARRANTY

All components' warranties managed by Lockmasters. Lockmasters' Door & Frame offer a 5 year warranty and the LKM10K Lock Series offers a 12 month warranty after shipment.

Door Sizes:

- Single doors 3070, 3080, 4070, 4080
- Double doors 6070, 6080
- Custom door sizes available - lead times vary

Advantages

- Easy Installation
- Split frame construction for multiple wall thicknesses
- Cam-lift hinges - better clearance for door bottom
- Adjustable Compression Seals
- Adjustable Super H Door Bottom

Request a Quote

Visit [www.https://www.lockmasters.com/doorquote](https://www.lockmasters.com/doorquote) or email doors@lockmasters.com

STC/RF Specs and Lead Times

STC52/RF 60db	
Door Core	Internal Sound Retardant Core: no lead or asbestos
Door Thickness	1-3/4"
Seals	Adjustable Compression
Door Bottom	Super H Full Mortise Adjustable
Hinges	Cam-lift, Tamper proof, Full mortise, 500 lbs
Standard Sizes	Single Door - 3070 & 3080* Double Door - 6070 & 6080
LEAD TIME	*4 - 6 Weeks; Other sizes lead times may vary

STC55/RF 60db AVAILABLE

Tested by Underwriters Laboratories (UL) and is certified to resist fire for at least 90 minutes.

In accordance with UL 10C, File R3677, R2114



RF Door Installation Certification Class

This two day course will teach you the proper method to install our RF(Radio Frequency) or STC/RF doors. These specialty doors require precise installation to ensure the highest level of SEdB (Shielding Effectiveness Decibels) are maintained for the SCIF. Lockmasters' has developed a method to utilize our existing Overly Door Manufacturing STC door and seals so the installation is very similar to our current STC Acoustical Door Install, however there is a process for "grounding" the door.

This course will review the proper methods of installing RF shielding. The hands-on portion of the class will be the complete installation of a single in-swing or outswing door. To make the doors completely operational we will connect the door closers and the access control system into SCIF locks such as LKM10K series locks.

Email education@lockmasters.com for information or call 866.574.8724 to enroll





LOCKMASTERS[®]

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