

RADIO FREQUENCY DOORS

- AMBICO Radio Frequency (RF) Steel Door and Frame assemblies are specialized doors designed to minimize the transmission of radio frequency or electromagnetic energy into a space.
- RF Steel Door and Frame Assemblies can be combined with Acoustic (STC) performance certification when hybrid performance values are essential.
- They offer reliable shielding against electromagnetic interference in environments that house RF-sensitive equipment or confidential information.
- AMBICO RF assemblies are an excellent solution for various environments, including healthcare facilities, government and military centers, and communication institutions.
- With increasing concerns about cybersecurity, RF Door and Frame Assemblies (combined with STC performance) are becoming the preferred product in government facilities and financial institutions that store highly sensitive digital information. RF Door and Frame Assemblies offer reliable defense against digital threats, ensuring security in these critical environments.
- In healthcare settings, RF shielding plays a crucial role. Medical institutions house sensitive equipment that can be affected by electromagnetic interference, potentially leading to inaccuracies and misdiagnosis. Radio-frequency door and frame assemblies provide the necessary shielding, ensuring a secure environment for medical practices.
- RF Door and Frame Assemblies are widely used in telecommunications industries and communication centers, where minimizing electromagnetic interference is essential to maintain uninterrupted communication and operations.

RF STEEL DOOR AND FRAME ASSEMBLIES



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PRODUCT INFORMATION

- AMBICO RF Steel Door and Frame Assemblies offer a minimum RF attenuation 60db between 1 MHz and 28 Ghz.
- Assemblies are provided complete with RF gasketing to maintain shielding integrity and ensure consistent product performance in real-world conditions.
- Materials are provided in stainless steel to meet the wide variety of applications.
- Both RF Steel and RF-Acoustic Steel Door Assemblies are available with either split frames or traditional welded frames. Split frames are ideal for SCIFs and data centers where drywall is already in place, allowing the frame to be installed around existing walls. Traditional welded frames are better suited for new construction, where they can be installed directly into stud wall assemblies before drywall is applied.
- RF Wood Door and Split Frame Assemblies have been tested in accordance with the IEEE 299 standard, ensuring shielding effectiveness according to industry-recognized benchmarks
- All Acoustic Door and Frame Assemblies are tested in conformance with ASTM E90 and E413 standards.
- Fire-rated Radio Frequency assemblies are available with a rating up to 180 minutes and in accordance with UL 10c standards. All fire rated products are tested in accordance with NFPA-80 and are certified by Underwriters Laboratories and Warnock Hersey International.

FOR SCIF APPLICATIONS

- SCIF Rooms, or Sensitive Compartmented Information Facilities, are secure spaces designed to protect highly sensitive information from digital and physical compromise.
- AMBICO SCIF Assemblies, whether designed for acoustic attenuation alone or combined with RF shielding, are engineered to support ICD-705 acoustic and RF shielding requirements and are used in a variety of high-security applications.

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Complete RF test reports are
available upon request