

RF WOOD DOOR AND STEEL FRAME ASSEMBLIES

RADIO FREQUENCY WOOD DOORS

- AMBICO's Radio Frequency (RF) Wood Door and Steel Split Frame Assemblies are specialized solutions designed to minimize the transmission of radio frequency interference (RFI) into secure spaces—while maintaining the warmth and elegance of a wood door.
- These RF wood doors provide discreet security by concealing high-performance shielding within a refined wood veneer. This hidden protection reduces visual cues that might otherwise draw attention to secure areas—helping safeguard the sensitive information or assets inside.
- The wood finish also allows the doors to blend seamlessly with surrounding architecture, supporting both functional and aesthetic design goals.
- RF Wood Doors and Steel Frame Assemblies are available with optional acoustic performance, rated up to STC 56—offering dual protection where both RF shielding and sound attenuation are essential. This combination is ideal for high-security environments such as data centers, government facilities, and SCIF rooms.
- AMBICO's RF Door and Split Frame Assemblies help keep sensitive information and digital data safe by blocking external radio frequency (RF) signals, and also protect electronic equipment from interference that could impact performance or compromise Safety.

IDEAL APPLICATIONS

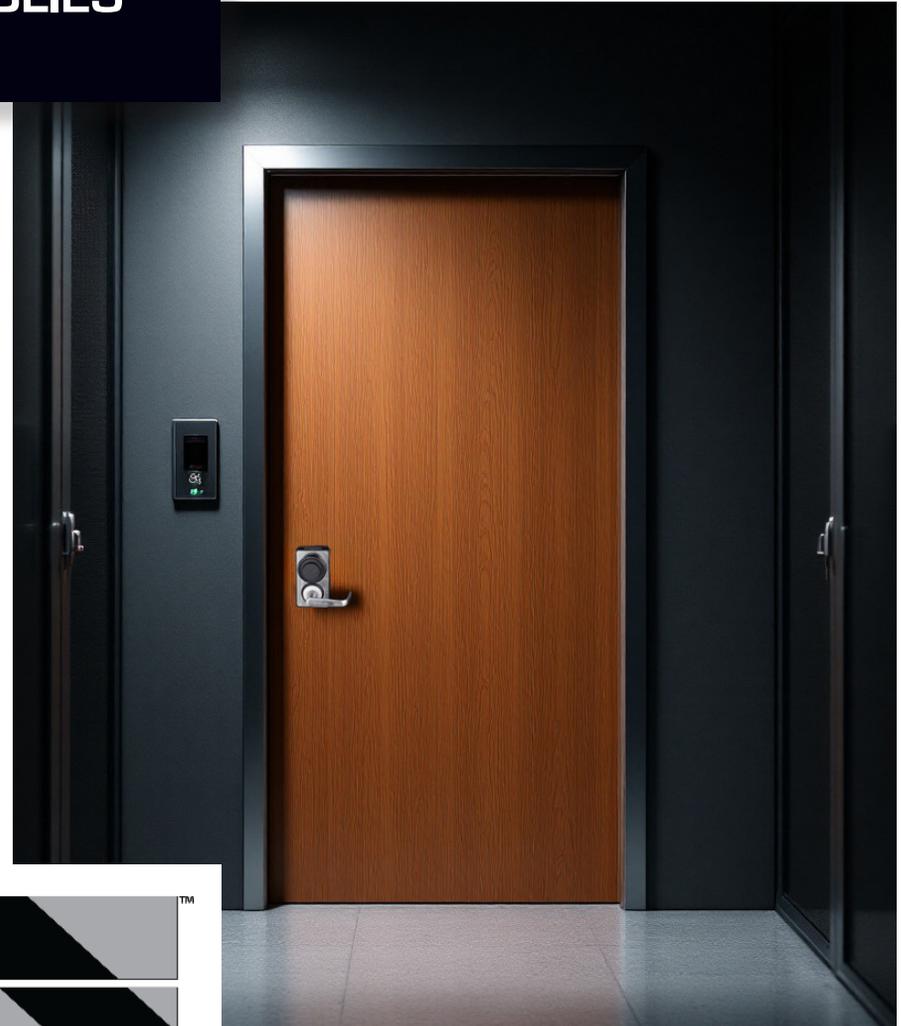
- These solutions are essential in environments where data protection and equipment performance are priorities, including data centers, SCIF rooms, government and military facilities, financial institutions, research and testing centers, and healthcare environments.



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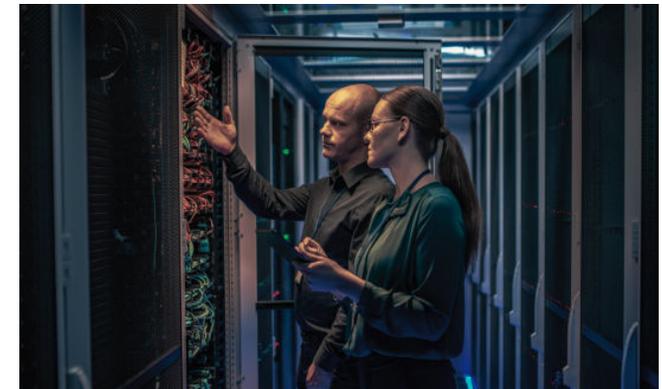
PRODUCT INFORMATION

- AMBICO Radio Frequency Door and Frame Assemblies offer RF attenuation of 20-60dB from 10kHz to 20MHz, and above 62dB from 20MHz to 28 GHz.
- AMBICO's RF-Acoustic Wood Door Assemblies deliver exceptional dual performance, with sound transmission ratings up to STC 56.
- Both RF Wood and RF-Acoustic Wood 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.
- Assemblies are provided complete with RF gasketing to maintain shielding integrity and ensure consistent product performance in real-world conditions.
- 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.

FOR SCIF APPLICATIONS

- AMBICO RF Wood Doors and Steel Frames are uniquely suited for SCIF environments where both digital and acoustic privacy are essential.
- 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-based 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