

RF Shielded Doors



The door is the most important part of any shielded facility, and therefore the design and quality of construction is essential. EEP design a wide range of shielded doors, including doors for mobile containers, to meet all performance levels and applications, both internal and external.



Our specialist shielded doors provide both high levels of RF attenuation, double weather and NBC (Nuclear, Biological and Chemical) seals for protection in the most extreme conditions.

As most shielding projects are unique, EEP adapt our designs to meet your specific needs. This can include manual, electric or pneumatic latches, all types of locks, weather and NBC (Nuclear, Biological & Chemical) seals, and thermal, acoustic or blast protection. All our doors are designed for ease of use and maintenance and can be manufactured to fit into any type of RF shielded rooms.

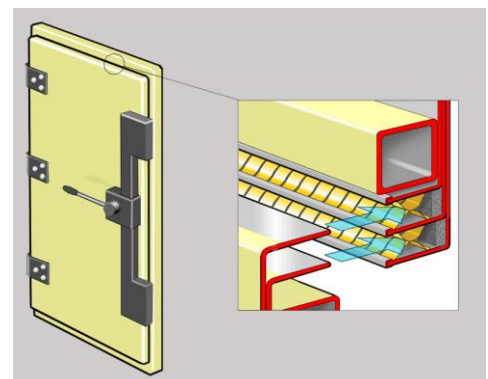
RF PERFORMANCE OF STANDARD DOOR

Magnetic mode: 60 dB at 10 kHz rising to 100 dB at 100 kHz

Electric Mode: 100 dB from 1 kHz to 1 GHz

Plane Wave: 100 dB from 1 GHz to 10 GHz

*Extended performance at both higher and lower frequencies can be offered.



Our doors are supplied with the appropriate interlocks, manual latching (standard) and a micro-switch for connection to 'power off' circuits. Other than our specialist doors, we also provide conventional 'Code' lead lined doors, where required.

Our standard radiation leaf door sets can accommodate up to 50mm of lead, however our sliding doors can exceed this limit.

The frame assembly is as critical as the door design itself, and as standard, EEP doors come as a complete fitted door and frame set and can be fully power operated to achieve a smooth, controlled movement. Where needed, lead glass vision panels and privacy vision screens can be fitted. Our doors comply with UK security standards but alternative specifications can be considered.

Sliding Doors

It is important to specify the design and layout of doors correctly. For some applications, a sliding door is essential. For example, when space is restricted, or in anechoic chambers where the door will have microwave absorbers installed. Sliding doors can also be automated and integrated with ramps and equipment where needed.



About Us

Established in 1996, European EMC Products (EEP) are an established British company whose experience and understanding of the science of shielding makes it an ideal partner in whom you can place your trust with confidence. The purpose of installing EEP shielding systems is to protect people and equipment against the threats posed by electromagnetic and radio frequency (RF) interference, radiation, magnetic fields and electromagnetic pulses. Our diverse range of turnkey products and services, including design, project management, testing and consultancy are delivered across multiple sectors to an international client base.

Quality

European EMC Products Limited are registered to BS EN ISO 9001:2015, Certificate Number FS38901.

Registered Scope: The design, assembly, installation, servicing and testing of RF Shielded Structures and equipment including EMI Shielding, Blast Doors, Gas Tight Doors and specialised mobile Electromagnetic Pulse Protection (EMPP) containers.

Radio Frequency, Magnetic Shielding and Quench systems for MRI (Magnetic Resonance Imaging) scanners.

The design, assembly and installation of Ionising Radiation Protection facilities.

The design, manufacture and installation of LED lighting systems for medical applications.

EEP Filters Limited are registered to BS EN ISO 9001:2015, Certificate Number FS38901.

Registered Scope: The design, manufacture, management of installation and testing of high performance EMC and EMP Power and Data Line Filters.

Disclaimer

NB: All the information provided within this datasheet is for reference only. Product specifications are subject to change without notice.