

Data Centre Shielding



Data Centres are used for the storage, management and dissemination of data, and are the backbone of today's society. With an increase in the uptake of cloud computing, business and government organisations scrutinise data centres to a higher degree in areas such as security, availability, environmental impact and adherence to standards.



External threats to data centres come in many forms; these include electronic eavesdropping, whereby users may unwittingly feed sensitive information such as passwords and account numbers to an attacker, are a risk but for most commercial applications encryption of data is adequate. These attacks are insidious because it is difficult to know they are happening.



An area of particular concern is the vulnerability to external attacks, whether accidental or deliberate, from electromagnetic surges or electronic pulse weapons which produce an EMP type surge. Damaging current and extremely high voltage surges can result in disruption or the complete destruction of electronic data processing and storage systems.

To mitigate the risk, European EMC Products can supply complete shielding and surge protection solutions to protect data centres against conducted and radiated electromagnetic interference by way of a nuclear pulse, known as an Electromagnetic Pulse (EMP), or a deliberate pulse generated by a non-nuclear device such as Marx generator, also known as Intentional Electromagnetic Interference (IEMI).

Data Centre Raised Access Flooring

With our own installation and test teams operating worldwide, EEP are able to offer solutions which integrate with the fabric of the data centre building and all of the services entering the facility.

We also offer full and comprehensive Data Centre Testing services to identify any possible weaknesses in the host building / room.

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.