



Data Sheet for Building Shielding & Screening

Global EMC have the depth of experience to turn any room into a RF shielded room/faraday cage.

Water pipes, ventilation, windows, electrical supplies, data/telephone can all be incorporated into the shielded room.

Building shielding or architectural shielding has many applications:

1. Information protection (anti-bugging & increased security)
2. Medical (MRI & EEG)
3. Laboratory
4. Protection from harsh EMI environments
(example - near electric railway lines)

The two most common anechoic standards are:

The MIL STD 461 is a less stringent requirement and can be fulfilled by the use of pyramidal absorber (RAM), the DEF STAN 59-411 demands measurement accuracy below 80MHz and thus requires the use of ferrite tiles.

In the future there will be a requirement for all equipment to be 'CE marked' and so commercial EMC requirements will apply, a correctly designed DEF STAN 59-411 chamber will meet both military and commercial applications.



Above picture - MRI shielded chamber – Hammersmith Hospital, London

Global EMC offer two levels of shielding

Level 1 – This is basically a high performance steel modular room built into the structure of a building and can achieve -100dB of attenuation.

Level 2 – Conductive fabric or copper foil lined rooms.



T-Mobile chamber in Bonn, Germany (under construction)

