

The Global EMC ‘pan’ shielding system is fabricated from 2mm thick galvanized steel.

The modular panels are bolted together using special flanged nuts/bolts which crush twin wire gaskets.

Shield Applications:

1. Military – secure speech (Tempest)
2. Data Protection
3. Medical Shielding
4. Vehicle test chambers – with fume extract & high volume air movement
5. EMC chambers – conducted, compact, 3m, 5m and 10m chambers
6. Radar RCS chambers
7. Antenna test chambers
8. Magnetic shielding (welded)



Global EMC Ltd care about the visual aspects of the chamber, all visible external aspects are painted.

The facilities and intrusions are well engineered:

1. Tin dipped steel honeycomb twin soldered into tin plated steel frame
2. MPE power/data/signal/telephone filters
3. Penetration panels with high quality coaxial ports, waveguides etc
4. High speed connections via copper/fibre converter systems
5. Special applications

Typically the performance is as the table below:

| Shield Test to IEE299 | | | | |
|-----------------------|------------|----------|-----------|-----------|
| | 100KHz mag | 1GHz far | 18Ghz M'W | 40Ghz M'W |
| Door | 61dB | >110dB | 105dB | >103dB |
| Air Vents | >75dB | >110dB | >110dB | >105dB |
| Penetration Panels | >75dB | >110dB | >110dB | >105dB |
| Power filter | >75dB | >110dB | >110dB | >105dB |
| Shielding panel seams | >75dB | >110dB | >110dB | >105dB |

Where -80dB @10KHz is required Global EMC produce a twin-knife door system.

High performance single latch doors

These are a long established cost effective design (>20 years), they give good and reliable service with a well proven uncomplicated design.

Ultra high performance door systems (Hyper-shield)

These doors are multi-latch and twin knife with four rows of finger stock, These doors will yield >80dB @10KHz through to >100dB at 40GHz.

Other door systems

1. Sliding doors
2. Double doors
3. Automatic doors
4. Truck & military vehicle doors

Global EMC are experienced in all type of applications, our installers are fast and efficient.

