

European EMC Products Ltd

Modular RF shielded room
University College London, EEP reference 1417
Completed May 2002

DESCRIPTION

Modular room for combined RF shielding and acoustic privacy protection constructed from prefabricated 2mm thick galvanised steel panels 50 mm deep bolted together with conductive mesh gasket between the panels. Internally lined with acoustically damping material.

DIMENSIONS 2100 mm L x 2500 mm W x 2500 mm H



Internal view showing RF shielded panels before internal decorative linings

ROOM RF PERFORMANCE

Magnetic mode: 60dB at 10 kHz to 100 kHz at 100dB
Electric Mode: 100 dB from 1 kHz to 100 MHz
Plane Wave: 100 dB at 1 GHz



External view showing RF shielded door

DOORS

1 no. single leaf RF shielded door with a clear opening of 2.0mH x 0.9mW,

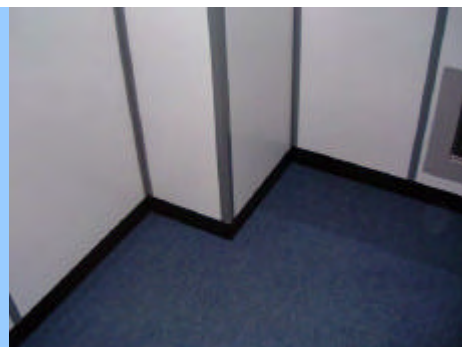
INTERNAL LINING

Walls and ceiling: Melamine faced particleboard.

Floor: Carpet tiles.

RF FILTERS

1 no. 10A single phase and neutral power filter mounted on the chamber wall.



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