

LEAD SHIELDED BOARDS FOR MEDICAL APPLICATIONS



European EMC Products Ltd

The use of ionising radiation in medical applications, such as X-Ray, CT, fluoroscopy and mammography rooms is essential and well established. Equally important is the radiation protection for the general public and operators. A number of materials can be used for radiation protection, but lead is the most common.

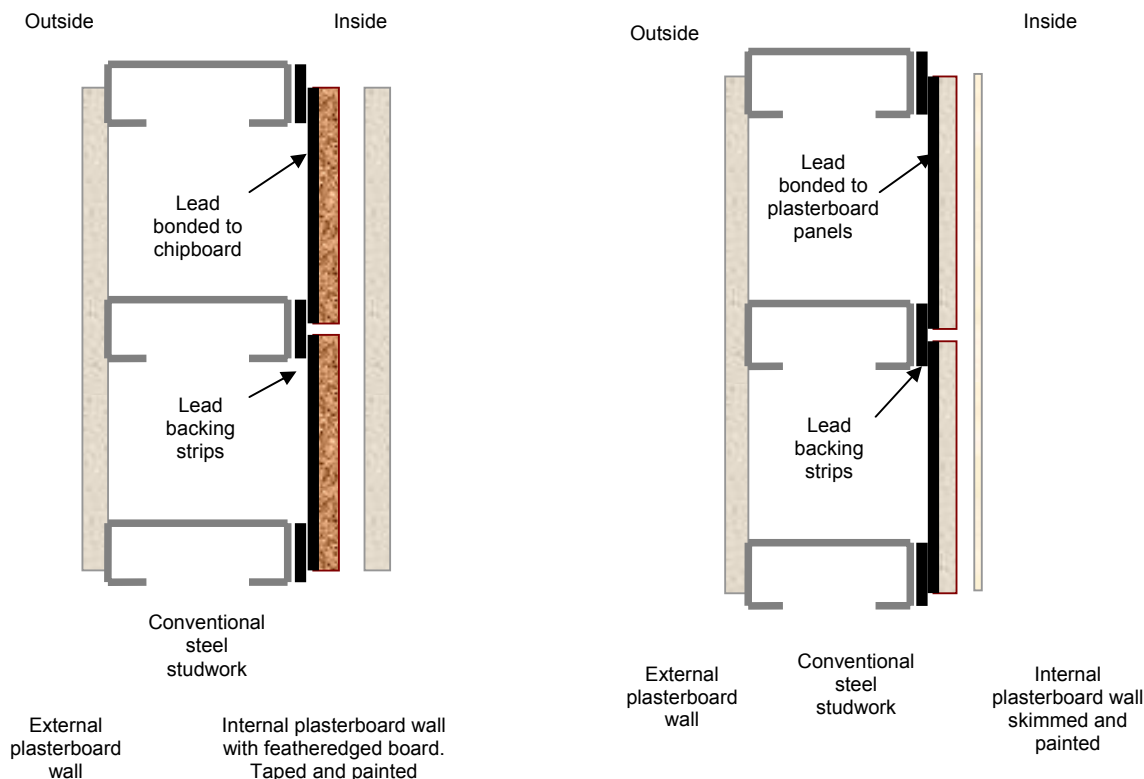
EEP can supply, or supply and install lead lined boards for all types of medical applications. Boards used can be plasterboard, particleboard or plywood.

The lead thickness bonded to the board will vary depending on the application. For all requirements involving ionising radiation, an RPA (Radiation Protection Advisor) must specify the thickness and extent of lead shielding required. For example, a typical requirement for a general X-Ray room would be 2 mm of lead from floor to a height of 2 m.

Lead bonded to plasterboard will generally be 600 x 2000–2400 mm square edged, 15 mm thick panels.

Lead bonded to particleboard will generally be 600 x 2000–2400 mm panels, 12 mm thick.

Lead bonded to plywood would generally be used where additional strength is required from the substrate, ie lead over 3 mm thick or where additional horizontal stability is needed.



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