Radiation Shielding

Description

A laminated board comprising of lead sheet manufactured to BSEN 12588 pressure bonded using a pva adhesive to a gypsum plasterboard or plywood. Other substrates such as particle board or steel by special order.

Application

An easily installed and cost effective radiation shield used in x-ray suites, dental surgeries, CT scanner rooms and veterinary practices.

Shielding integrity

To ensure the elimination of shine paths and the integrity of the x-ray shield lead strips 50mm wide known as fillets and / or lead lined battens must be used where the edges of the boards meet.

Available standard sizes

Width:	Up to 600mm
Length:	2400mm and 3000mm
Lead thickness:	1.32mm (Code 3) weighing 14.97kg/m^2
	1.80mm (Code 4) weighing 20.41kg/m^2
	2.24mm (code 5) weighing 25.40kg/m^2
	2.65mm (code 6) weighing 30.05kg/m^2
	3.15mm (Code 7) weighing 35.72kg/m^2
	3.55mm (Code 8) weighing 40.26kg/m^2

NB. The above weights do not include the weight of the substrate

The lead thickness required for shielding should be calculated by a fully qualified Radiation Protection Advisor.

Due to excessive weight, Calder strongly recommend that Code 6 and above is bonded to plywood. Although 3m lengths are available if required, we suggest that for ease of handling the length is limited to a maximum of 2.4m.

Non standard sizes

These are available upon request.

Installation

The boards can be fitted to any timber or metal stud partition wall in conjunction with lead fillets.

If the boards are required to be fitted to a masonry wall lead faced battens are needed.

Request a quotation

Send all enquiries for supply and install or just supply only to **sales@calderlead.co.uk**

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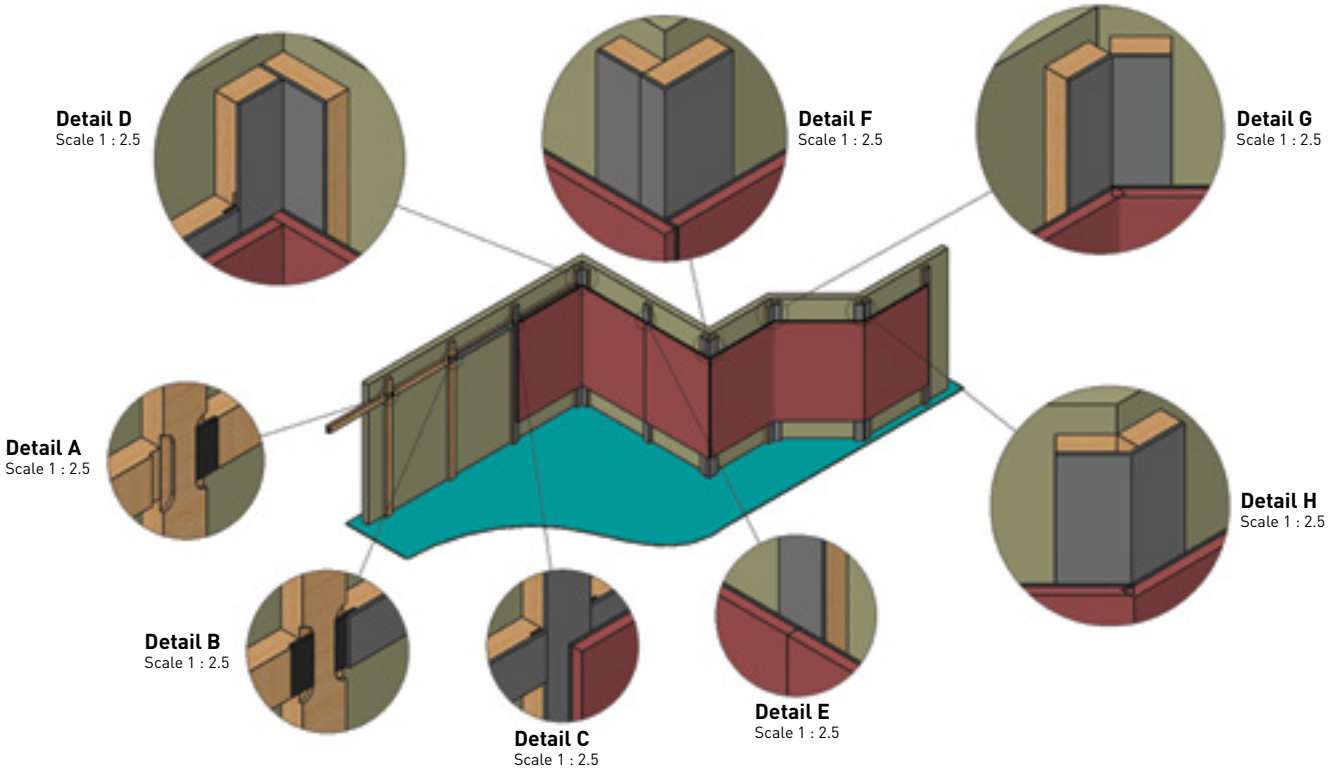

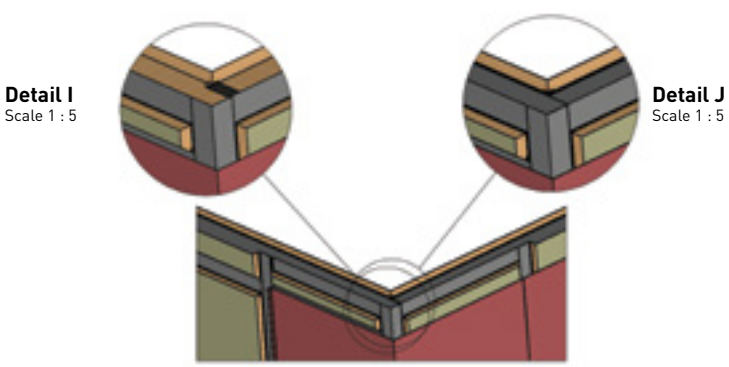

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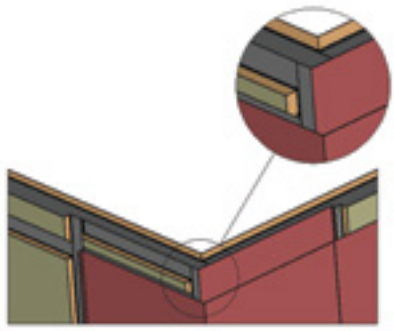

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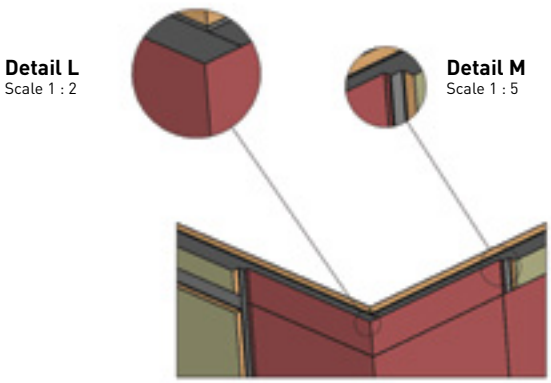

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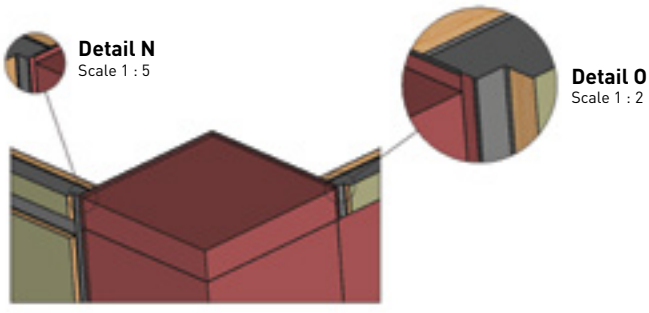

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