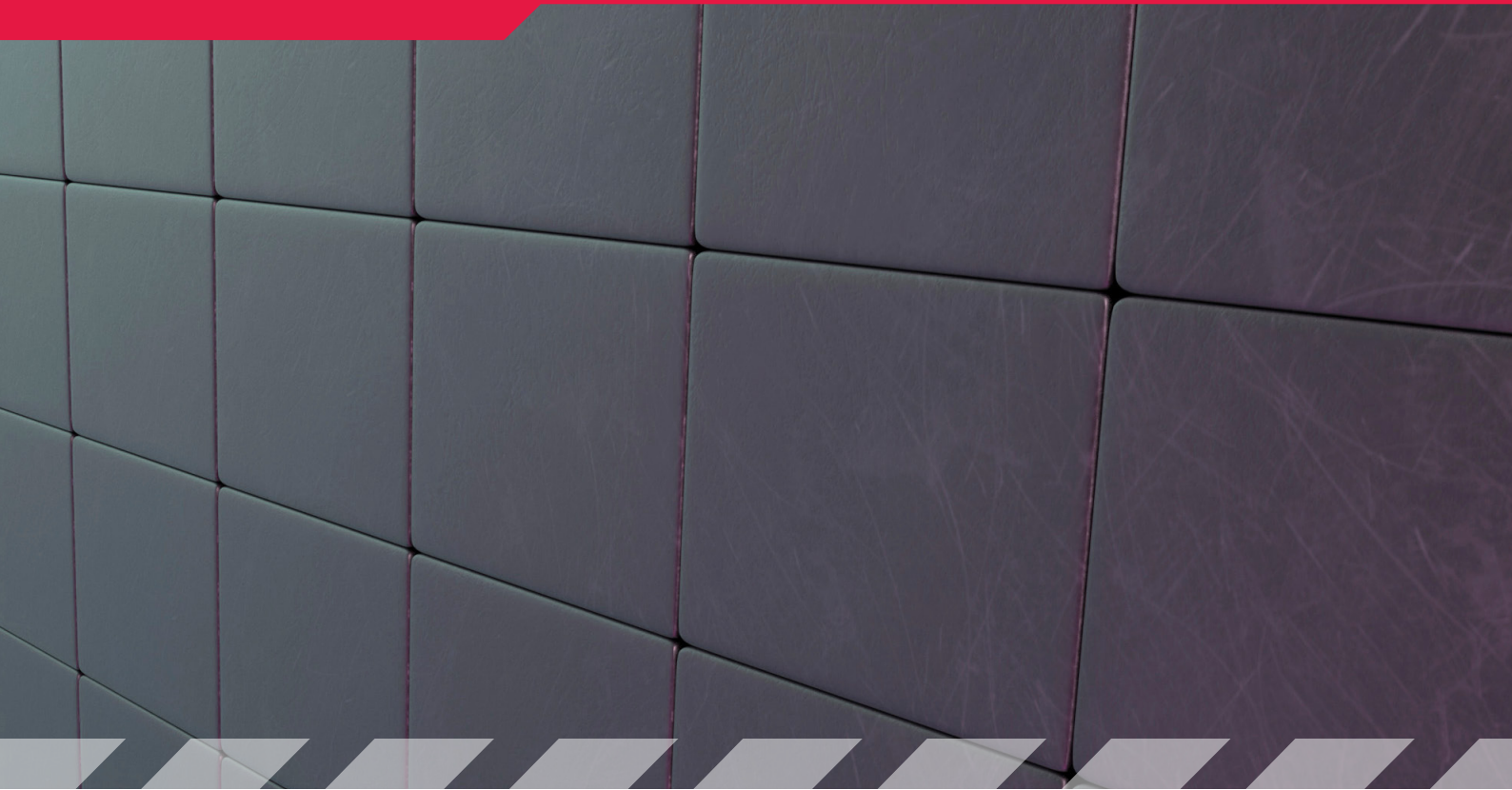


LEAD BRICKS



FOR USE IN RADIATION SHIELDING APPLICATIONS IN A VARIETY OF SECTORS: HEALTHCARE, VETERINARY, NUCLEAR, RESEARCH AND NON-DESTRUCTIVE TESTING.

COMPLIANCE

Whilst the current standards are limited by the depth of the units to; 50mm, 100mm, 150mm, 200mm and 250mm, the tolerances and general clauses are applicable across all unit depths. Depths of 10mm and upwards are available for specific requirements.

BS 4513:1969. Specification for lead bricks for radiation shielding.

ISO 7212:1986. Enclosures for protection against ionizing radiation. Lead shielding units for 50mm and 100mm thick walls.

ISO 9404-1:1991. Enclosures for protection against ionizing radiation. Lead shielding units for 150mm, 200mm and 250mm thick walls, part 1: Chevron units of 150mm and 200mm thickness.

USAGE

Wall Shielding	✓
Ceiling Shielding	✓
Door Shielding	✓
Large Healthcare Projects	✓
Smaller Healthcare Projects	✓
Veterinary Practices	✓
Nuclear Research	✓
Industrial	✓

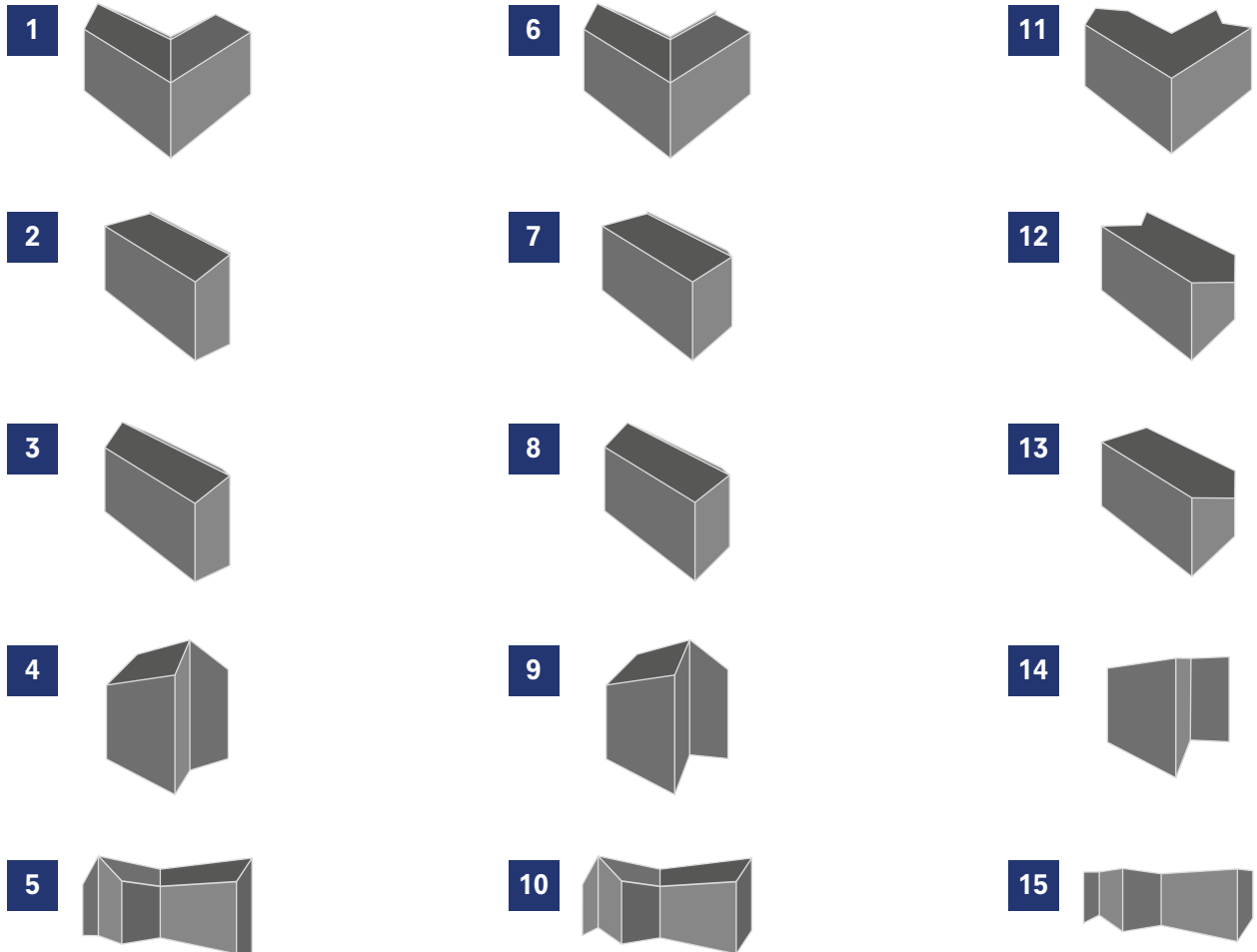
DESCRIPTION

Lead bricks of varied designs intended to attenuate ionising radiation from powerful sources.

LEAD BRICK RANGE

The following diagram shows the range of Lead Bricks available to choose from, and which specific bricks and brick courses you will need to complete your radiation shielded area/space.

Additional and alternative bricks are available. Please contact us for project specific solutions.



TOP COURSE

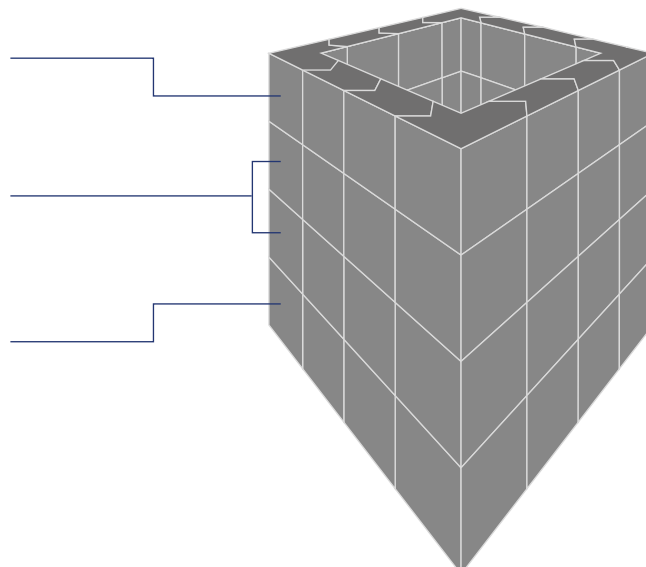
(Flat Top, Chevron Base)
ML brick number 12 & 15

INTERMEDIATE COURSES

(Chevron Top, Chevron Base)
ML brick number 7 & 10

BOTTOM COURSE

(Chevron Top, Flat Base)
ML brick number 2 & 5



LEAD BRICK SPECIFICATION CHART

Section/Code					Dimensions*		
Course	ML brick No.	3D View	Plan View	Profile View	Length (mm)	Height (mm)	Depth (mm)
BOTTOM COURSE (Chevron Top, Flat Base)	1				150mm/100mm	100mm	50mm
	2				100mm	100mm	50mm
	3				100mm	100mm	50mm
	4				100mm	100mm	50mm
	5				100mm/150mm	100mm	50mm
INTERMEDIATE COURSES (Chevron Top, Chevron Base)	6				150mm/100mm	100mm	50mm
	7				100mm	100mm	50mm
	8				100mm	100mm	50mm
	9				100mm	100mm	50mm
	10				100mm/150mm	100mm	50mm
TOP COURSE (Flat Top, Chevron Base)	11				150mm/100mm	100mm	50mm
	12				100mm	100mm	50mm
	13				100mm	100mm	50mm
	14				100mm	100mm	50mm
	15				100mm/150mm	100mm	50mm

*Our bricks are available in a number of different dimensions ranging from 10mm upwards.

DIMENSIONS AND WEIGHTS

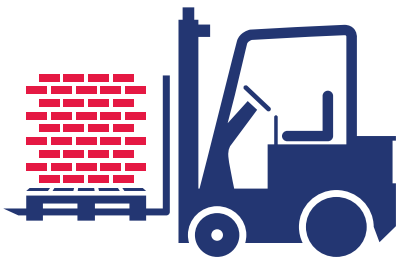
Tolerances are as those described in the above standards relative to the unit dimensions required by the customer. The precise thickness required to perform the attenuation should be determined by a suitably qualified and experienced radiation protection professional.

In the interests of high strength and resistance to mechanical damage during transport or erection, the standard version of our lead bricks consists of a hard-lead alloy with 4% antimony with a minimum density of approx. 1,090 kgs/m³.

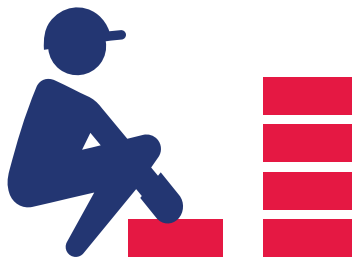
LINEAR DIMENSIONS

0 - 100mm +0.0mm -0.4mm
101mm and over +0.0mm -0.6mm

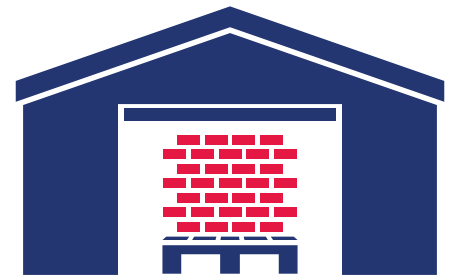
STORAGE AND HANDLING TIPS



Lead bricks are supplied in wooden crates. The crates should be moved using a fork lift truck or hydraulic trolley.



When manually handling lead bricks, consider the correct manual handling technique to limit risk. Lead is heavy – ensure you have help to lift into position where necessary.



Lead bricks should be stored in such a way as to prevent physical impact causing any deformation of the units.

Lead is not covered by COSHH (control of substances hazardous to health) and handling lead-lined boards is perfectly safe – but we do recommend you take certain precautions:



Wear protective gloves when handling the lead sheet



Wash your hands thoroughly as soon as possible after you have finished



Don't eat, drink or smoke until you've washed your hands

FOR FURTHER ASSISTANCE AND ADVICE PLEASE CONTACT MIDLAND LEAD HEALTHCARE

CALL US: +44 (0)1283 224 555 EMAIL: healthcare@midlandlead.co.uk