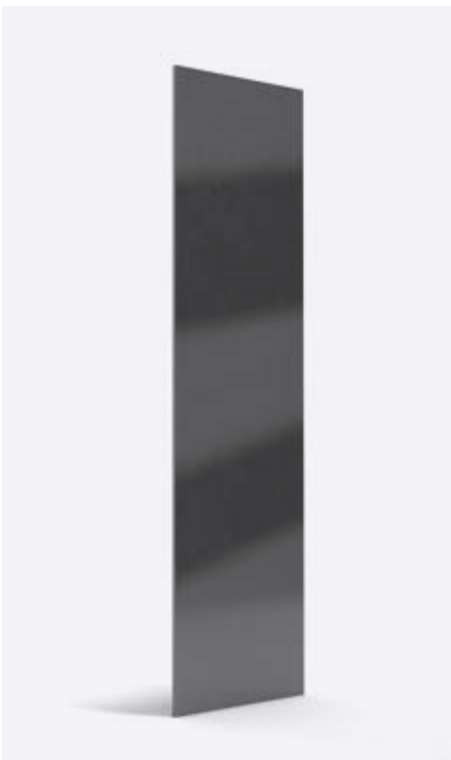


PRODUCT DATASHEET

LEAD-LINED PLYWOOD BOARD



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



USAGE

Wall shielding	✓
Ceiling shielding	✓
Floor shielding	✓
Door shielding	✓
New-build healthcare projects	✓
Healthcare refurbishment projects	✓
Dental surgeries	✓
Veterinary practices	✓
Industrial	✓

DESCRIPTION

Plywood board with pressure bonded lead sheet applied to one face.

COMPLIANCE

Hardwood plywood board to BS EN 636/3/5; BSEN 314/2
Lead sheet to BBA Certificate No. 86/1764

DIMENSIONS AND WEIGHTS

WIDTH

Whilst the boards can be manufactured to any standard plywood board size the resultant weight can be significant. Consequently a maximum width of 600mm is recommended. Sizes of less than 600mm can be produced as a special.

HEIGHT

Heights up to 3000mm can be manufactured with the most common being 2400mm.

THICKNESS AND WEIGHTS

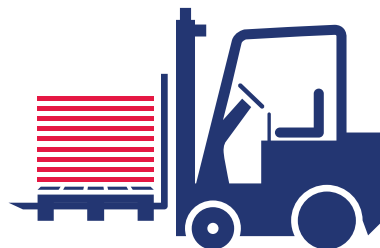
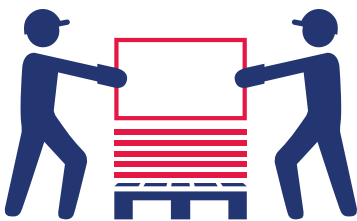
The table opposite indicates the nominal weight and thickness of 4mm and 25mm plywood board.

Lead thickness		Total weight (lead plus board) kg/m ²						
mm	UK code	4mm board thickness	6mm board thickness	9mm board thickness	12mm board thickness	15mm board thickness	18mm board thickness	25mm board thickness
0.44mm	1	7.07	8.46	10.2	11.93	13.32	15.41	18.88
0.5mm		7.75	9.14	10.88	12.61	14	16.09	19.56
0.89mm	2	12.17	13.56	15.3	17.03	18.42	20.51	23.98
1mm		13.42	14.81	16.55	18.28	19.67	21.76	25.23
1.32mm	3*	17.05	18.44	20.18	21.91	23.3	25.39	28.86
1.5mm		19.09	20.48	22.22	23.95	25.34	27.43	30.9
1.8mm	4*	22.5	23.89	25.63	27.36	28.75	30.84	34.31
2mm		24.76	26.15	27.89	29.62	31.01	33.1	36.57
2.24mm	5*	27.48	28.87	30.61	32.34	33.73	35.82	39.29
2.5mm		30.43	31.82	33.56	35.29	36.68	38.77	42.24
2.65mm	6*	32.13	33.52	35.26	36.99	38.38	40.47	43.94
3mm		36.1	37.49	39.23	40.96	42.35	44.44	47.91
3.15mm	7*	37.8	39.19	40.93	42.66	44.05	46.14	49.61
3.5mm		41.77	43.16	44.9	46.63	48.02	50.11	53.58
3.55mm	8*	42.34	43.73	45.47	47.2	48.59	50.68	54.15

*BS EN 12588:2006

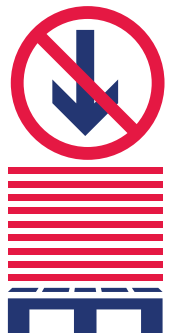
STORAGE AND HANDLING TIPS

Lead-lined boards are supplied on a wooden pallet system. Pallets should be moved using a fork lift truck or hydraulic trolley.



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

Lead-lined boards are not suitable to be used as a platform or deck. They will not support body weight and therefore it is important that installers use an independent support mechanism.



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

Lead-lined boards should be stored in dry flat conditions.



FOR FURTHER ASSISTANCE AND ADVICE PLEASE CONTACT MIDLAND LEAD HEALTHCARE

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