

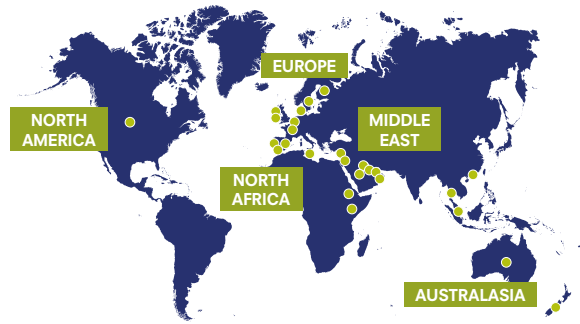
MIDLAND LEAD

COMPANY PROFILE

In 1983, Midland Lead began manufacturing lead sheet for the local building industry on a modest 6.5-acre site in Derbyshire, using one melting kettle, a casting machine and two cutting lines.

Since then, the company has matured into a quality manufacturer and supplier of lead products to the construction market and beyond. Our continuous commitment to quality and innovation means Midland Lead is now one of four major UK suppliers to the construction sector worldwide - we have a proven track record of supplying over 600,000 tonnes of machine cast lead sheet successfully fitted as a weatherproofing material.

OUR GLOBAL EXPORT NETWORK



WHY CHOOSE MIDLAND LEAD?

Established: Since 1983, produced over 600,000 tonnes of lead sheet

Employees: 50+

Annual tonnage: 15,000 tonnes of machine cast lead

UK market share: In excess of 20%

Operations: 13 acre site, including 2 melting kettles, 4 cutting lines, lead-lined board workshop & sandcast bed

Accreditations: BBA accreditation for machine cast lead, BS OHSAS 18001 (health & safety), ISO 14001 (environment) and ISO 9001 (quality management)

TIPS FROM THE CONSTRUCTION EXPERTS

HANDLING TIPS



Wear protective gloves when handling lead sheet



Wash your hands thoroughly immediately after you have finished



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



STORAGE TIPS

Lead sheet rolls and lead ancillary products should be stored in a clean, dry area, off the floor and on pallets.

FINISHING TIPS

To give your lead work an even better appearance, we recommend applying one layer of our patination oil to newly-installed lead and materials adjacent to it to prevent white staining.



TYPE OF LEAD SHEET	ROLLED	MACHINE CAST	SANDCAST
STANDARD REQUIREMENTS	BS 12588	BBA 86/1764	NO STANDARD
Chemical composition (6.1)	✓	✓	
Dimensions (6.2)	✓	✓	✓
Tolerance (6.2.2)	✓	✓	
Surface conditions (6.3)	✓	✓	
Thickness testing (7.1)	✓	✓	✓
Chemical analysis testing (7.2)	✓	✓	
Declaration of conformity (8)	✓	✓	
Making and labelling (9.1 and 9.1.2)	✓	✓	
Packaging (9.2)	✓	✓	✓
Transport, storage and handling (10)	✓	✓	✓
Safety (11)	✓	✓	✓
External quality review – BBA carries out twice annual surveillance visit and 3 year review on product quality and service levels		✓	
Internal quality checks – e.g. fully automated weight checking of each lead roll		✓	

THE GUIDE TO WORKING WITH PREMIUM CAST LEAD FOR THE ROOFING PROFESSIONAL

MAKING THE MOST OF PREMIUM CAST LEAD



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FOUR REASONS WHY PREMIUM CAST LEAD SHOULD BE TOP OF YOUR LIST

SHOULD BE TOP OF YOUR LIST

1 VALUE FOR MONEY

Lead sheet has been used in building applications since Roman times and has a proven track record as a very durable weather proofer. Moreover, our premium cast lead sheet is BBA approved, has a 60 year guarantee and a life-expectancy of well beyond 100 years.

2 SUSTAINABLE WEATHERPROOFING MATERIAL

Besides lead sheet's longevity, its recyclability makes it a

very sustainable building material. Moreover, Midland Lead premium cast lead is manufactured with the use of 100% recycled lead only.

3 FIT FOR PURPOSE

So, lead's value for money, sustainable, but most of all it's fit for purpose. Lead is highly-resistant to corrosion and fully malleable, which makes it easy to use and ideal as a weatherproofing material. Also, because lead is heavy, it doesn't run the risk of lifting in high winds - unlike its non-lead alternatives.

4 AESTHETICS

The use of a traditional building material such as lead, adds to the appearance of a building. Especially when the lead sheet has been finished with a layer of patination oil, which ensures a lasting attractive clear shine to the lead work.

THE WEATHERPROOFING MATERIAL OF CHOICE

Midland Lead's premium cast lead sheet is made to BBA quality approval (BBA 86/1764) and is the ideal material to use for flashings and weatherproofing. Code numbers relate to the thickness of the lead sheet. Depending on where the lead is used, the appropriate code needs to be chosen, as indicated in the table below.

APPLICATION	CODE 3 (1.32mm)	CODE 4 (1.80mm)	CODE 5 (2.24mm)	CODE 6 (2.65mm)	CODE 7 (3.15mm)	CODE 8 (3.55mm)
Flat roofing/pitched roofing			●	●	○	●
Vertical cladding		●	●	●	○	
Soakers	●	●				
Hip and ridge flashing		●	●	●		
Parapet, box and tapered valley gutters			●	●	○	●
Pitched valley gutters		●	●	●	○	
Bay tops and canopies		●	●	●	○	●
Apron and cover flashings		●	●	●		
Chimney flashing		●	●	●		
Dormers			●	●	○	●

LEAD FLASHING

WEIGHT CHART

Useful conversion factors:

1mm = 0.039 Inches
1 Inches = 25.4mm

1m = 3.281 Feet
1 Foot = 304.8mm

1m = 39,370 Inches
1 Yard = 914.4mm

WIDTH		CODE 3		CODE 4		CODE 5		CODE 6		CODE 7		CODE 8		WIDTH	
mm	Nom Imp	3 metre kg	6 metre kg	3 metre kg	6 metre kg	3 metre kg	6 metre kg	3 metre kg	6 metre kg	3 metre kg	6 metre kg	3 metre kg	6 metre kg	mm	Nom Imp
150	6"	7.0	13.5	9.0	18.5	11.5	23.0	13.5	27.0	16.0	32.0	18.0	36.0	150	6"
180	7"	8.0	16.0	11.0	22.0	14.0	27.5	16.5	32.5	19.5	38.5	22.0	43.5	180	7"
210	8"	9.5	19.0	13.0	26.0	16.0	32.0	19.0	38.0	22.5	45.0	25.5	51.0	210	8"
240	9"	11.0	21.5	15.0	29.5	18.5	36.5	22.0	43.5	26.0	51.5	29.0	58.0	240	9"
270	10"	12.0	24.5	16.5	33.0	20.5	41.0	24.5	49.0	29.0	58.0	32.5	65.0	270	10"
300	12"	13.5	27.0	18.5	36.5	23.0	45.5	27.0	54.0	32.0	64.5	36.0	72.5	300	12"
330	13"	15.0	30.0	20.0	40.5	25.0	50.5	30.0	59.5	35.5	71.0	40.0	80.0	330	13"
360	14"	16.0	32.5	22.0	44.0	27.5	55.0	32.5	65.0	38.5	77.0	43.5	87.0	360	14"
390	15"	17.5	35.0	24.0	48.0	30.0	59.5	35.0	70.5	42.0	83.5	47.0	94.0	390	15"
420	16"	19.0	38.0	26.0	51.5	32.0	64.0	38.0	76.0	45.0	90.0	51.0	101.5	420	16"
450	18"	20.5	40.5	27.5	55.0	34.5	68.5	40.5	81.5	48.0	96.5	54.5	109.0	450	18"
480	19"	21.5	43.0	29.5	59.0	36.5	73.0	43.5	87.0	51.5	103.0	58.0	116.0	480	19"
510	20"	23.0	46.0	31.0	62.5	39.0	78.0	46.0	92.0	55.0	109.5	61.5	123.0	510	20"
540	21"	24.5	48.5	33.0	66.0	41.0	82.5	49.0	97.5	58.0	116.0	65.0	130.5	540	21"
570	22"	26.0	51.5	35.0	70.0	43.5	87.0	51.5	103.0	61.0	122.0	69.0	138.0	570	22"
600	24"	27.0	54.0	37.0	73.5	46.0	91.5	54.0	108.5	64.5	128.5	72.5	145.0	600	24"
750	30"	34.0	67.5	46.0	92.0	57.0	114.5	68.0	135.5	80.5	161.0	90.0	181.0	750	30"
900	36"	40.5	81.0	55.0	110.0	68.5	137.0	81.5	162.5	96.5	193.0	109.0	217.5	900	36"
1000	39"	45.0	90.0	61.0	122.5	76.0	152.5	90.5	-	107.0	-	121.0	-	1000	39"
1050	41"	47.5	94.5	64.5	128.5	80.0	160.0	95.9	-	112.5	-	127.0	-	1050	41"
1200	47"	54.0	108.0	73.5	147.0	91.5	183.0	108.5	-	128.5	-	145.0	-	1200	47"
1350	53"	61.0	121.5	83.0	165.5	103.0	206.0	122.0	-	145.0	-	163.0	-	1350	53"
1400	55"	63.0	126.0	86.0	171.5	107.0	213.5	126.5	-	150.0	-	169.0	-	1400	55"
Weight per sq.m		15.0kg		20.4kg		25.4kg		30.1kg		35.7kg		40.3kg		Weight per sq.m	
THICKNESS		1.32mm (0.052")		1.80mm (0.071")		2.24mm (0.088")		2.65mm (0.104")		3.15mm (0.124")		3.55mm (0.140")		THICKNESS	

Lead flashings theory weights: All theory weights are subject to ±5% tolerance. The theory weight of lead sheet in kgs can be calculated using the following formula: No. of pieces x Length in metres x Width in metres x Thickness in mm x 11.34

Flashings: Standard flashings are shown in the above chart, however, any widths from 100mm (4") to 1400mm (47") can be produced.