

# LEAD FLASHING

## WEIGHT CHART

		CODE 3		CODE 4		CODE 5		CODE 6		CODE 7		CODE 8			
WIDTH		GREEN		BLUE		RED		BLACK		WHITE		ORANGE		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	90.5	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	95.0	-	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	

Flashings: Standard flashings are shown in the above chart, however, any widths from 100mm (4") to 1400mm (4'7") can be produced.

### 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

### Useful conversion factors:

1mm = 0.039 Inches

1m = 3.281 Feet

1m = 39,370 Inches

1 Inch = 25.4mm

1 Foot = 304.8mm

1 Yard = 914.4mm

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PATINATION OIL**

# NOTES ON LEAD SHEET FOR BUILDING APPLICATIONS

Midland Lead lead sheet is manufactured to match the range of weights set out in BS EN 125888 1999. It must be installed in accordance with established industry practice, and in conformity with the current British Standard on the design and construction of fully-supported lead sheet roof and wall coverings and the relevant sections of the BS code of practice for slating and tiling.

Recommended weights for various building applications						
Code	3	4	5	6	7	8
Nominal thickness (mm)	1.32	1.80	2.24	2.65	3.15	3.55
Nominal weight (Kg/m <sup>2</sup> )	15.0	20.4	25.4	30.1	35.7	40.3

Application						
Flat roofing/pitched roofs			5	6	7	8
Vertical cladding		4	5	6	7	
Soakers	3	4				
Hip and Ridge flashing		4	5	6		
Parapet, box and tapered valley gutters			5	6	7	8
Pitched valley gutters		4	5	6	7	
Bay tops and canopies		4	5	6	7	8
Apron and cover flashings		4	5	6		
Chimney flashings		4	5	6		
Dormers			5	6	7	8

Flat roofs up to 10°pitch						
Code		4	5	6	7	8
Maximum spacing of joints with the fall		500mm	600mm	675mm	675mm	750mm
Maximum distance between drips		1.5m	2.0m	2.25m	2.5m	3.0m

**Please note:** A basic principle for all sheet leadwork is 'the thinner the sheet the smaller the piece', so the maximum dimensions shown here **must not** be exceeded. However, where the length of a bay is less than the permitted maximum, the width can be adjusted to give a bay having the same overall area. Wood rolls allow for thermal movement and are positioned to limit the possibility of wind lift. In exposed situations, to avoid the risk of wind lift in storm conditions, the width of bays should not be increased beyond the recommended widths. Bay lengths **must never** be longer than the maximum length set out above. Ridges can form across over-long bays and these may cause fatigue cracking.

Pitched roofs over 10°pitch and up to and including 60°						
Code		4	5	6	7	8
Maximum spacing of joints with the fall		500mm	600mm	675mm	675mm	750mm
Maximum distance between drips		1.5m	2.0m	2.25m	2.4m	2.5m

Pitched roofs over 60°pitch and up to and including 80°						
Code		4	5	6	7	8
Maximum spacing of joints with the fall		500mm	600mm	675mm	675mm	750mm
Maximum distance between laps		1.5m	2.0m	2.25m	2.25m	2.25m

Cladding						
Code		4	5	6	7	8
Maximum spacing of vertical joints		500mm	600mm	600mm	650mm	700mm
Maximum distance between laps		1.5m	2.0m	2.0m	2.25m	2.25m

Gutter linings						
Code		4	5	6	7	8
Minimum drip height		55mm	55mm	55mm	60mm	60mm
Maximum distance between drips		1.5m	2.0m	2.25m	2.5m	3.0m
Maximum overall girth		750mm	800mm	850mm	900mm	1.0m

Flashings and soakers						
Code	3	4	5			
Application	Soakers	Flashings	Flashings			
Maximum length of piece	1.0m	1.5m	1.5m			

**Please note:** To avoid thermal expansion/contraction problems with flashings, due to temperature changes, regularly spaced expansion joints must be provided. These joints are easily achieved by ensuring that individual flashing pieces do **not exceed** 1.5 metres in length.



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