

| WIDTH | | CODE 3 | | CODE 4 | | CODE 5 | | CODE 6 | | CODE 7 | | CODE 8 | | WIDTH | |
|-----------------|---------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|---------|
| mm | Nom Imp | GREEN | | BLUE | | RED | | BLACK | | WHITE | | ORANGE | | 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 | | |
| 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



BS EN ISO 14001:2004
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Notes on Lead Sheet Selection 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 ²) | 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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