



## OUR HERITAGE PRODUCT PACKAGE

Midland Lead also offers a range of ancillary products to serve the heritage sector, such as our wooden lead tool range, lead motifs and building paper or underlay.

### 1. LEAD MOTIFS

From the Tudor rose to the dots, our lead motifs are beautifully designed and made. They're the ultimate finishing touch – an elegant addition to every heritage job.

### 2. LEAD TOOLS

From wooden mallets to dressers, Midland Lead supplies the right tools for every roofing job – recommended by heritage experts.

### 3. BUILDING PAPER OR UNDERLAY

Our building paper or underlay isolates the lead work, to expand and contract freely within temperature changes. We recommend the use especially on heritage jobs.

### 4. WOODCORE ROLL

To form lead work joints easily, try our softwood timber woodcore rolls, available in standard lengths of 1.2 and 2.4 metres.

For full details and more on our range, go to [www.midlandlead.co.uk](http://www.midlandlead.co.uk)

## SANDCAST WEIGHT CHART

### RECOMMENDED SIZES

Midland Lead produces sandcast lead in codes 6 (2.65mm), code 7 (3.15mm) and code 8 (3.55mm). On our sand bed, we can produce sandcast lead in lengths up to 6m. But the most common lengths for sandcast is 3m and under – in order to handle the weight - with a typical (maximum) width of 1200mm.

		CODE 6		CODE 7		CODE 8	
WIDTH mm	Nom Imp	BLACK		WHITE		ORANGE	
		3 metre Kg	6 metre Kg	3 metre Kg	6 metre Kg	3 metre Kg	6 metre Kg
150	6"	13.5	27.0	16.0	32.0	18.0	36.0
180	7"	16.5	32.5	19.5	38.5	22.0	43.5
210	8"	19.0	38.0	22.5	45.0	25.5	51.0
240	9"	22.0	43.5	26.0	51.5	29.0	58.0
270	10"	24.5	49.0	29.0	58.0	32.5	65.0
300	12"	27.0	54.0	32.0	64.5	36.0	72.5
330	13"	30.0	59.5	35.5	71.0	40.0	80.0
360	14"	32.5	65.0	38.5	77.0	43.5	87.0
390	15"	35.0	70.5	42.0	83.5	47.0	94.0
420	16"	38.0	76.0	45.0	90.0	51.0	101.5
450	18"	40.5	81.5	48.0	96.5	54.5	109.0
480	19"	43.5	87.0	51.5	103.0	58.0	116.0
510	20"	46.0	92.0	55.0	109.5	61.5	123.0
540	21"	49.0	97.5	58.0	116.0	65.0	130.5
570	22"	51.5	103.0	61.0	122.0	69.0	138.0
600	24"	54.0	108.5	64.5	128.5	72.5	145.0
750	30"	68.0	135.5	80.5	161.0	90.5	181.0
900	36"	81.5	162.5	96.5	193.0	109.0	217.5
1000	39"	90.5	-	107.0	-	121.0	-
1050	41"	95.0	-	112.5	-	127.0	-
1200	47"	108.5	-	128.5	-	145.0	-
WEIGHT per sq.m		30.1kg		35.7kg		40.3kg	
THICKNESS		2.65mm (0.104")		3.15mm (0.124")		3.55mm (0.140")	

# MAKE THE MOST OF SANDCAST LEAD



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## PRESERVING THE PAST

Midland Lead works with English Heritage and the National Trust, as well as church authorities, homeowners, architects and planners to ensure that each and every heritage project we are involved in gets the specialist attention it deserves.

Our approach to making sandcast lead gives you the best of both worlds. We make authentic sandcast lead, but we produce it in a modern manner. Our sandcast lead workshop has been purpose-built for the task and we use all the benefits of modern technology to ensure that our sandcast lead has just the right thickness, offers the right tensile quality, and gives that wonderfully authentic look.

Opposite is a list of heritage projects (English Heritage, listed property homeowners, church authorities) where our sandcast lead has been successfully installed:



### TIPS FROM OUR HERITAGE EXPERTS

#### • PLACE YOUR ORDER IN ADVANCE

Each batch of sandcast lead is made to order. Generally, allow for 10 working days to have your order ready for despatch. For an estimate, get in touch with our office: **+44 (0)1283 224 555**.

#### • STORE YOUR LEAD WISELY

Make sure you store your sandcast lead in a dry area and off the floor – preferably on a pallet - while you're working on the job. Roofing jobs where sandcast lead is involved can be lengthy, so make sure your lead doesn't get damp or wet before you install it.

#### • USE PATINATION OIL

Once the lead is on the roof, make sure you use patination oil as soon as possible – but no later than at the end of the day's work. Using patination oil prevents white staining on the adjacent brickwork of your building.



#### 1. ST SWITHUN'S CHURCH, LEADENHAM

Roof repair with 1.6 tonnes sandcast lead, code 6 & 7.

**Contractor:** JTC Leicester, for English Heritage

#### 2. KNOLE HOUSE, SEVENOAKS

Re roofing to the King's bedroom.

**Contractor:** Olde English Roofing for the National Trust

#### 3. BRIDGE BUILDINGS, BARNSTAPLE

Repair and refurbishment for grade II listed buildings, using a variety of sandcast, machine cast and rolled lead sheet.

**Contractor:** Hannam & Sons

#### 4. CHURCH OF ST MICHAEL THE ARCHANGEL, EMLEY

Replacement of asphalt roof by lead roof on church tower.

**Contractor:** Burrows & Davies, for English Heritage

#### 5. CHURCH OF ST MARY THE VIRGIN, DODFORD

Remedial roof repair with code 6 sandcast lead.

**Contractor:** Minster Lead Roofing

#### 6. SYDENHAM HOUSE, OKEHAMPTON

Restoration of grade 1 listed building, badly damaged by fire, including lead ridges, window trays, window reveals and apron flashings using 4 tonnes of sandcast lead, code 6, 7 & 8.

**Contractor:** Wessex Slate & Tile

#### 7. CHURCH OF ST MARY THE VIRGIN, NORTH PETHERTON

Church re-roofing with 7 tonnes of code 6 & 8 sandcast lead.

**Contractor:** Corbel Conservation

#### 8. DELAPRE ABBEY, DELAPREY

Renewal of the roof on the main building 9 tonnes of sandcast lead, code 7 & 8.

**Contractor:** Warkton Roofing Lottery Funded project for English Heritage

#### 9. CHATSWORTH HOUSE, DERBYSHIRE

Remedial roof repair with code 6 & 8 sandcast lead.

**Contractor:** Fairhurst Ward & Abbott

## QUALITY CHECKS

Sandcast lead is produced by the traditional method of running molten lead over a bed of prepared sand on a casting bench. At every stage of the production (preparation of the bed, lead casting and finish), our sandcast lead is subjected to scrupulous quality control.

As part of our quality procedure, you will find two different stickers on our sandcast lead:



- Every roll of sandcast lead is quality checked regarding **thickness** and **weight**. As soon as the sandcast lead has been visually checked on consistent thickness, each roll (cut to size) will go through our automated weighing scale, which will only produce a label for despatch if the lead is within the agreed tolerance.
- Apart from the above quality checks, one of our highly experienced managers will handpick a lead roll from each sandcasting batch to be thoroughly examined. This roll will be unrolled and visually inspected, checked on weight and thickness - using a micrometre - once more.

[www.midlandlead.co.uk](http://www.midlandlead.co.uk)

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