British Lead

Product Data Sheet

Copper Strip and Permastrip

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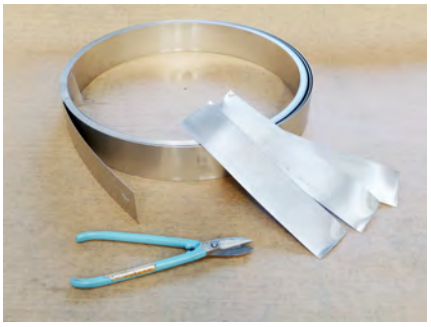

Hard metal coils for fixing clips

Copper Strip and Permastrip are recommended for use as fixing clips to prevent lifting of the free edges of Lead flashings in high wind conditions and should be used to secure roofing and cladding panels at both horizontal and vertical edges of bays.

Authority

Copper Strip and Permastrip conform to BS 6915 specification for design and construction of fully supported Lead Sheet roof and wall coverings. Permastrip conforms to BS EN 10088 and Copper Strip conforms to BS EN 1172.

British Lead

DESCRIPTION

Composition and manufacture

Permastrip is manufactured from fully annealed stainless steel in coils measuring 20m in length.

Copper Strip is available in coils measuring 20m in length.

Dimensions

Permstrip - Coil length 20m, width 50mm, thickness 0.5mm.

Copper Strip - Coil length 20m, width 50mm, thickness 0.6mm.

SITEWORK

Installation

Permastrip and Copper Strip should be cut to length to form clips that suit the application. Clips should be fitted to the substrate as near to the clipped edge of the Lead Sheet as possible as illustrated in Fig 1.

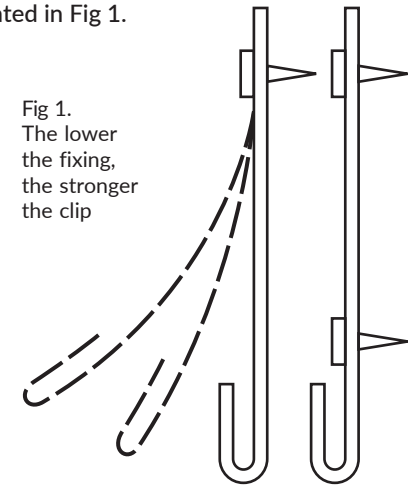

Fig 1.
The lower the fixing, the stronger the clip

Lead Sheet flashings clips should be fixed at lap joints and at the following centres:

Exposure of location	Spacing (mm)
Sheltered	500
Moderate	300 - 500

In sheltered locations, fixing at the top of the clip should be adequate. In all cases, the lowest fixing should be secured into the most convenient batten. For severe exposure, or when clipping over glass/single lap tiles, reference should be made to the Lead Sheet Training Academy Manual for details of stronger fixings. An example of clip fixings for Lead flashings is shown in Fig 2.

It should be noted that ridge, hip and mansard flashings are more vulnerable to wind lift.

In all cases allow for 6mm expansion of the lead flashing into the clip.

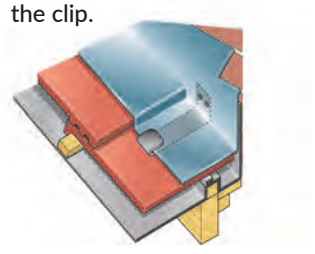

Fig 2.
The lower the fixing the stronger the clip

Lead Cladding

Clips should be incorporated in to roof and wall cladding panels at both horizontal and vertical joints. Clips used within hollow rolls, standing seams, welts and with the alternative wood-cored rolls for roof pitches above 30°.

The spacing of clips within the joints is normally between 300mm and 500mm depending on the position and exposure of the Leadwork.

Each clip is fixed to the substrate using three nails or two screws.

Clips at cross laps should be equally spaced and an expansion gap of at least 6mm should be allowed when the clip is turned around the free edge.

Detailing should be according to Lead Sheet Training Academy Manual guidelines, with intermediate fixings such as BLM Lead Dot Sets used where appropriate.

Fixing

Clips may be cut with tin snips and crimped round the Lead Sheet with seaming pliers. Copper Nails or countersunk stainless steel screws may be used where appropriate.

Finishing

Patination Oil or Lead-Cote should be applied to the clips and the underside of the Lead Sheet to a distance of approximately 150mm wherever possible.

Health & Safety

The normal health and safety procedures should be carried out when working with Lead. Operatives should not eat, drink or smoke in any place where contamination could occur.

Hands and arms should be washed before any meals or smoking. Particular care should be exercised when removing old Lead and when Lead welding - refer to Control of Lead at Work Regulations Approved Code of Practise, Regulations and Guidance (COP 2) Revised 2002.

SUPPLY

Please contact the BLM Sales Office for your nearest stockist.

SERVICES

Technical

Technical advice may be obtained from BLM British Lead. Please contact our technical team on 0330 333 3535 or email technical@britishlead.co.uk

REFERENCES

Further details on the full product range are contained in BLM's Product Guide. Pick up your free copy from any BLM stockist or request a copy by calling 0800 117 882. Alternatively you can download a copy of the brochure in PDF format at www.britishlead.co.uk.

BLM are certified to the internationally recognised ISO 9001 Quality Management, ISO 14001 Environmental Management, OHSAS 18001 Occupational Health & Safety and ISO 50001 Energy Management. 100% of BLM's raw material comes from recycled Lead.

BLM are a trading division of H. J. Enthoven Limited and part of ECOBAT Technologies, the World's largest Lead recycling group.

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