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Sheet roof and wall coverings —

Part 5: Zinc

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This part of the Code of Practice has been prepared by a committee convened by the Codes of Practice Committee for Building. Having been endorsed by the Council for Codes of Practice, it was published under the authority of the General Council on 7 October 1964

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The following BSI references relate to the work of this Code of Practice:
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Amendments issued since publication

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This Code of Practice makes reference to the following British Standards and British Standard Codes of Practice:

BS 219, *Soft solders*.

BS 476, *Fire tests on building materials and structures — Part 3: External fire exposure roof tests*.

BS 747, *Roofing felts (bitumen and fluxed pitch)*.

BS 849, *Plain sheet zinc roofing*.

BS 1202, *Wire nails and cut nails for building purposes*.

BS 1210, *Wood screws*.

BS 2717, *Glossary of terms applicable to roof coverings*.

CP 3:Chapter V, *Loading*.

CP 231, *Painting*.

CP 326.101, *Protection of structures against lightning*.

CP ..., *Preservative treatments for constructional timber*¹⁾.

This Code of Practice represents a standard of good practice and takes the form of recommendations. Compliance with it does not confer immunity from relevant legal requirements including byelaws.

Attention is, however, drawn to the fact that in certain byelaws, notably those Building Byelaws based upon one of the models issued for England and Wales and for Northern Ireland, and in the Scottish Building Regulations, compliance with the provisions of certain British Standards or British Standard Codes of Practice, or of specific clauses therein, is “deemed to satisfy” the requirements of certain of the Byelaws and Regulations in the fields covered by the British Standards and Codes of Practice, or by the specific clauses referred to.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 15 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

¹⁾ In course of preparation.

Section 1. General

101 Scope

This Part of the Code deals with zinc roof covering and gives recommendations based on accepted good practice in the United Kingdom for laying zinc roofs on the Roll Cap System. In this system the sheets are fully supported and have their sides turned up against shaped wood rolls spaced to suit the width of the sheets. The rolls are covered with an independent capping which completes the joint. Joints between the ends of sheets are made either by means of drips or welts depending on the pitch, see Figure 1 and Figure 2. Recommendations are given for the whole of the roof covering above the upper surface of the constructional base for both flat and pitched roofs.

Flashings and gutters are also dealt with in so far as they are integral parts of the roof covering.

102 Definitions

For the purposes of this Code, the definitions given in BS 2717²⁾ apply.

103 Exchange of information and time schedule

The working drawings and specification should be prepared in sufficient detail to afford proper guidance in the preparation of estimates and the execution of the work. Where Bills of Quantities form part of the contract, they should be prepared in accordance with the Standard Method of Measurement of Building Works or the Scottish Mode for the Measurement of Building Works, as appropriate. There should be a full exchange of information between all concerned with the roofing and the work adjacent to it, in sufficient time to ensure that the covering can be carried out at the proper time and that all necessary provision for fixings has been made in advance. Early arrangements should be made on the site for rainwater disposal. Roof covering should be completed before internal finishes are begun.

Section 2. Materials, appliances and components

201 Zinc sheet

Zinc sheet should comply with Part 1 of BS 849³⁾. The United Kingdom stock or standard sizes of sheets for roofing work are 3 ft wide by 7 or 8 ft long; purpose made sheets of other dimensions can be obtained.

A table of weights, gauges and thicknesses in inches of zinc sheets is given in Clause 602 and is based on the weight of one square foot of inch thick material. It should be noted that the English Zinc Gauge, as distinct from the Standard Wire Gauge, rises in number with thickness.

On permanent buildings, roof coverings and ancillary parts should not be thinner than No. 14 ZG (approximately 21 SWG). No exterior zinc work should be thinner than No. 12 ZG (approximately 23 SWG).

202 Nails

Nails should be of steel either heavily galvanized or otherwise provided with a zinc coating of equivalent thickness. They should comply with BS 1202⁴⁾. Galvanized clout nails not less than 1 in long should be used for fixing the zinc.

203 Screws

Screws should be of steel coated similarly to steel nails and should comply with BS 1210⁵⁾.

²⁾ BS 2717, "Glossary of terms applicable to roof coverings".

³⁾ BS 849, "Plain sheet zinc roofing".

⁴⁾ BS 1202, "Wire nails and cut nails for building purposes".

⁵⁾ BS 1210, "Wood screws".