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**BS 6229:2025**



**BSI Standards Publication**

**Flat roofs with continuously supported  
flexible waterproof coverings – Code  
of practice**

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## Foreword

### Publishing information

This British Standard is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 December 2025. It was prepared by Technical Committee B/546, *Flexible sheets for waterproofing and water vapour control*. A list of organizations represented on this committee can be obtained on request to the committee manager.

### Supersession

This British Standard supersedes [BS 6229:2018](#), which is withdrawn.

### Relationship with other publications

This British Standard is intended to be read in conjunction with [BS 5250](#), [BS 8000-4](#) and [BS 8233](#).

### Information about this document

This is a full revision of the document, and introduces the following principal changes:

- roof falls to achieve drainage;
- thermal performance of inverted warm roof systems; and
- fire performance, including fire classification of roof system.

**Product certification.** Users of this British Standard are advised that when selecting materials to consider the desirability of third-party certification of product conformity to this British Standard.

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As a code of practice, this British Standard takes the form of recommendations and guidance. It is not to be quoted as if it were a specification. Users are expected to ensure that claims of compliance are not misleading.

Users may substitute any of the recommendations in this British Standard with practices of equivalent or better outcome. Any user claiming compliance with this British Standard is expected to be able to justify any course of action that deviates from its recommendations.

It has been assumed in the preparation of this British Standard that the execution of its provisions will be entrusted to appropriately qualified and experienced people, for whose use it has been produced.

Copyright is claimed on the data in [Table A.2](#). Copyright holders are Met Office (2019): Met Office MIDAS Open: UK Land Surface Stations Data (1853-current). Centre for Environmental Data Analysis, Cited December 2025. <http://catalogue.ceda.ac.uk/uuid/dbd451271eb04662beade68da43546e1>

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The provisions of this document are presented in roman (i.e. upright) type. Its recommendations are expressed in sentences in which the principal auxiliary verb is “should”.

*Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.*

Where words have alternative spellings, the preferred spelling of the *Shorter Oxford English Dictionary* is used (e.g. “organization” rather than “organisation”).

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## 1 Scope

This British Standard gives recommendations for the design, construction, care and maintenance of roofs with a flat or curved surface, at a pitch not greater than 10° to the horizontal, with a continuously supported flexible waterproof covering. The supporting structure of such roofs is either dense and heavy (such as a concrete slab), or consists of framing members supporting a lightweight deck of metal or of timber-based material.

*NOTE* Provided that the design conditions are similar, many of the recommendations contained in this code of practice apply to roofs at pitches greater than 10° and to those designed with multi-functional finishes.

This British Standard is intended for use by surveyors, architects, system designers, principal contractors, contractors and clients.

This British Standard does not apply to cold stores where the roof is directly over the conditioned space and high temperature enclosures.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes provisions, or limits the application, of this document<sup>1)</sup>. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

### Standards publications

[BS 5250](#), *Management of moisture in buildings – Code of practice*

[BS 6925](#), *Specification for mastic asphalt for building and civil engineering (limestone aggregate)*

[BS 8103-3](#), *Structural design of low-rise buildings – Part 3: Code of practice for timber floors and roofs for housing*

[BS 8204-1](#), *Screeds, bases and in situ floorings – Part 1: Concrete bases and cementitious levelling screeds to receive floorings – Code of practice*

[BS 8204-2](#), *Screeds, bases and in situ floorings – Part 2: Concrete wearing surfaces – Code of practice*

[BS 8217](#), *Reinforced bitumen membranes for roofing – Code of practice*

[BS 8218](#), *Code of practice for mastic asphalt roofing*

[BS 8220-1](#), *Guide for security of buildings against crime – Part 1: Dwellings*

[BS 8220-2](#), *Guide for security of buildings against crime – Part 2: Offices and shops*

[BS 8220-3](#), *Guide for security of buildings against crime – Part 3: Storage, industrial and distribution premises*

[BS 8233](#), *Guidance on sound insulation and noise reduction for buildings*

[BS 8747](#), *Reinforced bitumen membranes (RBMs) for roofing – Guide to selection and specification*

[BS EN 300](#), *Oriented strand boards (OSB) – Definitions, classification and specifications*

[BS EN 507](#), *Roofing and cladding products from metal sheet – Specification for fully supported products of aluminium sheet*

[BS EN 636](#), *Plywood – Specifications*

<sup>1)</sup> Documents that are referred to solely in an informative manner are listed in the Bibliography.