

Bitumen shingles with mineral and/or synthetic reinforcements

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British Standard

ICS 75.140

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National foreword

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- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 10, an inside back cover and a back cover.

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English version

Bitumen shingles with mineral and/or synthetic reinforcements

Bardeaux bitumés avec armature minérale
et/ou synthétique

Bitumenschindeln mit mineralhaltiger Einlage
und/oder Kunststoffeinlage

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 128, Roof covering products for discontinuous laying and products for wall cladding, the secretariat of which is held by IBN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 1998, and conflicting national standards shall be withdrawn at the latest by December 1998.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This European Standard applies to bitumen shingles, small discontinuous materials, intended to be laid as covering for the fabrication of pitched roofs.

This European Standard applies only to bitumen shingles with a mineral reinforcement, synthetic reinforcement or a mixture of the two.

It specifies the properties, performance and methods of test of the finished product prior to it being laid on the roof.

Two classes of requirements are specified. The two classes have different requirements to adhesive surface, glass reinforcement mass, tensile strength, sliding temperature, and blistering temperature:

- Class 1: Meeting all the European climatic requirements by its properties and performance.
- Class 2: Meeting some of the European climatic requirements by its properties and performance.

In this standard and wherever possible, product performance is defined by calculations and a number of type tests.

The performance of a roof covering manufactured from these products depends not only on the properties of the product as specified in this standard, but also on the design, application and performance of the roof considered as a whole, in conjunction with the environment and conditions of use.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these

publications apply to this European Standard only when incorporated in it by amendment or revisions. For undated references the latest edition of the publication referred to applies.

EN 10002-2, *Metallic materials — Tensile testing — Part 2: Verification of the force measuring system of the tensile testing machines.*

prEN 1110, *Flexible sheets for roofing — Bitumen sheets — Determination of slump properties at elevated temperature.*

prEN 1297-1, *Flexible sheets for roofing — Determination of resistance to UV and water ageing — Part 1: Bitumen sheeting.*

prEN 12039, *Flexible sheets for roofing — Bitumen sheeting — Determination of loss of granules.*

prEN 12310-1, *Flexible sheets for roofing — Determination of nail shank tear resistance — Part 1: Bitumen sheets.*

prEN 12311-1, *Flexible sheets for roofing — Determination of tensile properties — Part 1: Bitumen sheets.*

3 Definitions

For the purposes of this standard, the following definitions apply:

3.1

shingle

reinforced flat bitumen material, of a global rectangular shape, of length L and width l , having or not bitumen adhesive points; this material has a solid part and several tabs; these tabs may be rectangular and separated by slits of height h (see Figure 1).

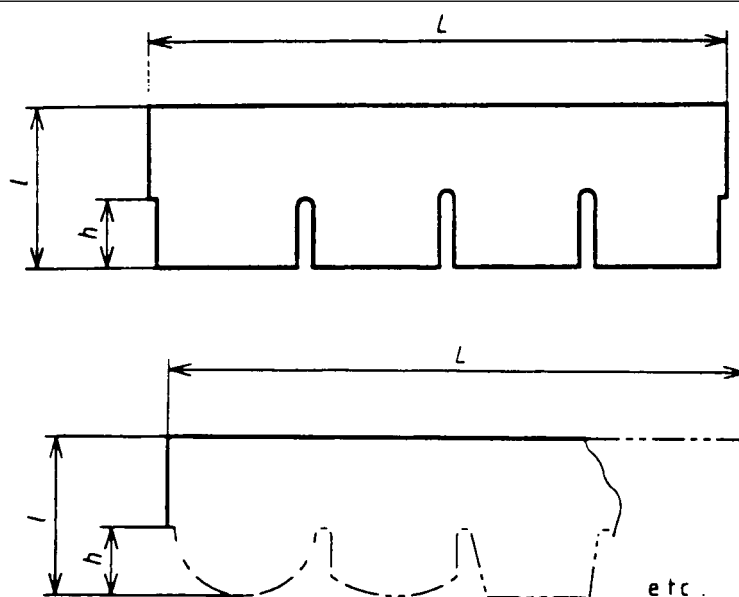


Figure 1 — Types of shingle tabs