



SLOVENSKI STANDARD
kSIST FprEN 544:2011

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**Bitumenske skodle, ojačene z mineralnimi in/ali sintetičnimi materiali -
Specifikacije in preskusne metode**

Bitumen shingles with mineral and/or synthetic reinforcements - Product specification
and test methods

Bitumenschindeln mit mineralhaltiger Einlage und/oder Kunststoffeinlage -
Produktspezifikation und Prüfverfahren

Bardeaux bitumés avec armature minérale et/ou synthétique - Spécifications des
produits et méthodes d'essai

Ta slovenski standard je istoveten z: FprEN 544

ICS:

91.100.50 Veziva. Tesnilni materiali Binders. Sealing materials

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English Version

Bitumen shingles with mineral and/or synthetic reinforcements - Product specification and test methods

Bardeaux bitumés avec armature minérale et/ou
synthétique - Spécifications des produits et méthodes
d'essai

Bitumenschindeln mit mineralhaltiger Einlage und/oder
Kunststoffeinlage - Produktspezifikation und Prüfverfahren

This draft European Standard is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 128.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (FprEN 544:2010) 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 NBN.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 544:2005.

This document 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).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this European Standard.

Annex C provides details of significant technical changes between this European Standard and the previous edition.

Introduction

The performance of a roof covering manufactured from these products depends not only on the properties of the product as specified in this European 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.

FprEN 544:2010 (E)**1 Scope**

This European Standard specifies the properties, performance and methods of test of the finished bitumen shingles prior to them being laid on the roof.

It also includes rules for marking, labelling and provides a clause for evaluation of conformity.

This European Standard does not include design requirements, installation techniques and roof system performance.

This European Standard applies to bitumen shingles where the watertightness of the system is ensured by overlapping, by different adhesive systems or a combination of these, according to manufacturer's installation instructions, intended to be laid as covering for pitched roofs and/or wall cladding.

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

In case of multilayer shingles each layer need to have the same type of reinforcement and same type of coating (ref. to Clause 8).

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1110, *Flexible sheets for waterproofing — Bitumen sheets for roof waterproofing — Determination of flow resistance at elevated temperature*

ENV 1187, *Test methods for external fire exposure to roofs*

EN 1297, *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Method of artificial ageing by long term exposure to the combination of UV radiation, elevated temperature and water*

EN 12039, *Flexible sheets for waterproofing — Bitumen sheets for roof waterproofing — Determination of adhesion of granules*

EN 12310-1, *Flexible sheets for waterproofing — Part 1: Bitumen sheets for waterproofing — Determination of resistance to tearing (nail shank)*

EN 12311-1, *Flexible sheets for waterproofing — Part 1: Bitumen sheets for roof waterproofing — Determination of tensile properties*

EN 13501-1, *Fire classification of construction products and building elements — Part 1: Classification using test data from reaction to fire tests*

EN 13501-5, *Fire classification of construction products and building elements — Part 5: Classification using data from external fire exposure to roof tests*