



SLOVENSKI STANDARD

kSIST FprEN 13111:2010

01-januar-2010

Hidroizolacijski trakovi - Podložne folije za strehe in stene - Določevanje odpornosti proti penetraciji vode

Flexible sheets for waterproofing - Underlays for discontinuous roofing and walls -
Determination of resistance to water penetration

Abdichtungsbahnen - Unterdeck- und Unterspannbahnen für Dachdeckungen und
Wände - Bestimmung des Widerstandes gegen Wasserdurchgang

Feuilles souples d'étanchéité - Ecrans de sous-toiture et pare-pluie pour murs -
Détermination de la résistance à la pénétration de l'eau

Ta slovenski standard je istoveten z: FprEN 13111

ICS:

91.060.10	Stene. Predelne stene. Fasade	Walls. Partitions. Facades
91.060.20	Strehe	Roofs
91.100.50	Veziva. Tesnilni materiali	Binders. Sealing materials

kSIST FprEN 13111:2010

en,fr

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

FINAL DRAFT
FprEN 13111

October 2009

ICS 91.100.50

Will supersede EN 13111:2001

English Version

Flexible sheets for waterproofing - Underlays for discontinuous roofing and walls - Determination of resistance to water penetration

Feuilles souples d'étanchéité - Ecrans de sous-toiture et pare-pluie pour murs - Détermination de la résistance à la pénétration de l'eau

Abdichtungsbahnen - Unterdeck- und Unterspannbahnen für Dachdeckungen und Wände - Bestimmung des Widerstandes gegen Wasserdurchgang

This draft European Standard is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 254.

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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[5fb9ea674844/sist-en-13111-2010](https://standards.cen.org/5fb9ea674844/sist-en-13111-2010)

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (FprEN 13111:2009) has been prepared by Technical Committee CEN/TC 254 “Flexible sheets for waterproofing”, the secretariat of which is held by BSI.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 13111:2001.

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Introduction

This document is one of a series of standards which specify test methods for the characterization and/or classification of industrially manufactured underlays. The methods of rest relate to products exclusively.

This document applies in conjunction with European Standards specifying definitions and characteristics on underlays for discontinuous roofing and walls.

1 Scope

This document specifies a method to test the resistance against water penetration of underlays for discontinuous roofing and for walls.

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 13416, *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Rules for sampling*

3 Terms and definitions

For the purposes of this document, the definitions indicated in the corresponding European Standards specifying definitions and characteristics on underlays for discontinuous roofing and walls apply.

4 Principle

Test specimens of the sheet are subjected to a waterhead and the volume of penetrating water is measured.

A conditioned test specimen is positioned as a water-carrying layer into a device with flange and defined basic surface.

Water occasionally penetrating the test specimen will be collected in a basin positioned under the testing apparatus and volumetrically measured at the end of the test.

5 Apparatus

The apparatus is shown in Figure 1 and Table 1.

The test container can have two different inside dimensions with the same test area of 0,045 m².

- a) (300 ± 1) mm × (150 ± 1) mm or
- b) (250 ± 1) mm × (180 ± 1) mm.

It is equipped with a flange and a counter frame incorporating a suitable seal.

At the inside of the container, an inclined plane of (45 ± 2) degrees towards the longitudinal side of the basin is positioned to achieve a defined filling process of the required water quantity. The inclined plane is only

attached at the latitudinal sides of 150 mm respectively 180 mm and therefore forms a slot of $(0,5^{+0}_{-0,1})$ mm towards the longitudinal side.

6 Sampling and preparation of test specimens

6.1 Sampling

Test samples shall be taken in accordance with EN 13416. Samples with extraordinary defects shall not be used for testing.

6.2 Preparation of test specimens

Three test specimens with the dimension of at least 350 mm × 200 mm respectively 300 mm × 230 mm shall be cut from the test sample. The test specimens shall be cut evenly spread over the whole width of the sheet. The prepared test specimen shall be conditioned for 24 h at (23 ± 2) °C before testing.

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