

SLOVENSKI STANDARD oSIST prEN 13416:2022

01-september-2022

Hidroizolacijski trakovi - Bitumenski, polimerni in elastomerni trakovi za tesnjenje streh - Pravila vzorčenja

Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Rules for sampling

Abdichtungsbahnen - Bitumen-, Kunststoff- und Elastomerbahnen für Dachabdichtungen - Regeln für die Probenentnahme

Feuilles souples d'étanchéité - Feuilles d'étanchéité de toiture bitumineuses, plastiques et élastomères - Règles d'échantillonnage

Ta slovenski standard je istoveten z: prEN 13416

ICS:

91.060.20 Strehe Roofs

91.100.50 Veziva. Tesnilni materiali Binders. Sealing materials

oSIST prEN 13416:2022 en,fr,de

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

DRAFT prEN 13416

June 2022

ICS 91.100.50

Will supersede EN 13416:2001

English Version

Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Rules for sampling

Feuilles souples d'étanchéité - Feuilles d'étanchéité de toiture bitumineuses, plastiques et élastomères -Règles d'échantillonnage Abdichtungsbahnen - Bitumen-, Kunststoff- und Elastomerbahnen für Dachabdichtungen - Regeln für die Probenentnahme

This draft European Standard is submitted to CEN members for enquiry. 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.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning: This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

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European foreword

This document (prEN 13416:2022) has been prepared by Technical Committee CEN/TC 254 "Flexible sheets for waterproofing", the secretariat of which is held by NEN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 13416:2001.

In comparison with the previous edition, the following technical modifications have been made:

Content has been extended to sampling for FPC and ITT, and description of the sampling condition of sheets before use have been improved.

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Introduction

This document is intended for sampling and test sample preparation of flexible sheets for waterproofing as manufactured or supplied before use. This document relates exclusively to products, or to their components where appropriate, and not to waterproofing membrane systems composed of such products and installed in the works.

Historical explanation of standard. Product standards are used to define the relevant performance testing of sheets for the fitness of use within the roof. In the past to determine product characteristics as indicated in this document needs to be started within 1 month of delivery from the manufacturer. In the future the change of declared performance after production will be specified within the durability of the relevant performance after the standardization request of TC 254 is finalized.

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1 Scope

This document specifies the general rules on how to select the samples of correctly stored and handled samples of uninstalled bitumen, plastic or rubber sheets for waterproofing. It also specifies the procedures to be followed before the test piece is cut from the sample.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1850-1:1999, Flexible sheets for waterproofing - Determination of visible defects - Part 1: Bitumen sheets for roof waterproofing

EN 1850-2:2001, Flexible sheets for waterproofing - Determination of visible defects - Part 2: Plastic and rubber sheets for roof waterproofing

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at https://www.electropedia.org/
- ISO Online browsing platform: available at https://www.iso.org/obp

3.1

consignment

delivery of waterproofing sheets, itch ai/catalog/standards/sist/e8c8a1a8-d9bb-455e-9fb2

3.2

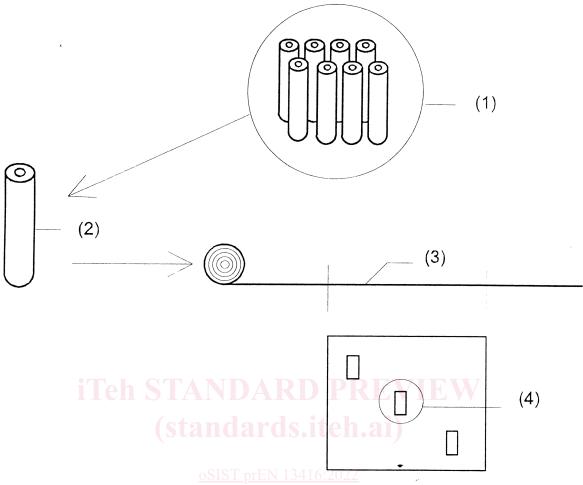
sample

sheet with manufacture original packaging and labelling from which a test piece is taken

3.3

sampling

procedure used to select or to constitute a sample from a consignment for third party testing in accordance with Figure $\mathbf{1}$



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Key

- 1 consignment
- 2 sample
- 3 test piece
- 4 test specimen

Figure 1 — Sampling

3.4

test piece

part of the sample from which test specimens are taken

3.5

test specimen

piece of accurate dimensions taken from test piece

3.6

longitudinal direction

direction in the plane of the sheet parallel to the axis of manufacture

3.7

transversal direction

direction in the plane of the sheet at right angles to the axis of manufacture

4 Principle

The method describes the sequence of actions which to be followed to produce test pieces and test specimens. Inappropriate handling and /or storage of the product after delivery by the manufacturer may cause divergent results to the declared value. This does not include requirements as fire properties and environmental aspects.

The sampling from an installed membrane is not within the scope of this document. The measured value of the specimens (e.g. other purpose than CE-Marking) tested from an installed membrane may give divergent results compared to the DOP.

5 Sampling

5.1 General

Samples and test pieces that are damaged shall not be selected for sampling.

5.2 FPC and ITT

Sampling and conditioning of the test pieces for internal testing like factory production control (FPC) and initial type testing (ITT) is done in accordance to the manufacture procedure.

5.3 Consignment

The numbers of samples should be agreed by the involved parties. Typical frequency of consignment will be 1 sample per batch. If not possible or in absence of such an agreement it can be carried out as proposed in Table 1.

Table 1 — Sampling

Consignment m ²	Number of samples
< 10 000	1
10 000 - 50 000	2
> 50 000	3

6 Test pieces and test specimens

6.1 Temperature conditioning

The sample(s) shall be stored for at least 24 h at (20 ± 10) °C before the test pieces are cut.

6.2 Test pieces

Unroll the selected sample(s) on a flat surface and cut off a test piece over the full width and of a suitable length to allow the required test specimens to be cut. The outer turn of the roll shall be rejected unless protected by suitable wrapping.

The test piece shall be marked to identify the material, the top surface of the sheet and the direction of manufacture. The test piece shall be stored for at least 20 h at (23 ± 2) °C before the test specimens are cut, unless otherwise specified in relevant European Standards for flexible sheets for waterproofing.

6.3 Test specimens

Before cutting the test specimens the test piece shall be inspected; the test piece shall show no signs of creasing as a consequence of the sampling procedure or transportation and it shall be ensured that the test piece is free of any visible defects in accordance with EN 1850-1:1999 or EN 1850-2:2001 respectively.

Cut test specimens in accordance to the procedure, specified in the relevant European Standards for flexible sheets for waterproofing depending on the properties to be determined and the required number of test specimens.

The test specimens shall be marked to identify the material, the top surface of the sheet and the direction of manufacture.

7 Sampling report

The sampling report shall contain at least the following information:

- all details necessary to identity the product tested in accordance with the European Standard on flexible sheets for waterproofing;
- reference to this document (EN 13416) and any deviation from it;
- any signs of creasing or any defects, which are a consequence of the production or conditioning process;
- date and place of sampling. STANDARD PREVIEW

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