

SLOVENSKI STANDARD SIST EN 1849-2:2019

01-november-2019

Nadomešča:

SIST EN 1849-2:2010

Hidroizolacijski trakovi - Določevanje debeline in mase na enoto površine - 2. del: Polimerni in elastomerni trakovi za tesnjenje streh

Flexible sheets for waterproofing - Determination of thickness and mass per unit area - Part 2: Plastics and rubber sheets for roof waterproofing

Abdichtungsbahnen - Bestimmung der Dicke und der flächenbezogenen Masse - Teil 2: Kunststof- und Elastomerbahnen für Dachabdichtungen (standards.iten.ai)

Feuilles souples d'étanchéité - Détermination de l'épaisseur et de la masse surfacique -Partie 2 : Feuilles d'étanchéité de toiture plastiques et élastomères

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Ta slovenski standard je istoveten z: EN 1849-2:2019

ICS:

91.060.20 Strehe Roofs

91.100.50 Veziva. Tesnilni materiali Binders. Sealing materials

SIST EN 1849-2:2019 en,fr,de

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM EN 1849-2

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Supersedes EN 1849-2:2009

English Version

Flexible sheets for waterproofing - Determination of thickness and mass per unit area - Part 2: Plastics and rubber sheets for roof waterproofing

Feuilles souples d'étanchéité - Détermination de l'épaisseur et de la masse surfacique - Partie 2 : Feuilles d'étanchéité de toiture plastiques et élastomères Abdichtungsbahnen - Bestimmung der Dicke und der flächenbezogenen Masse - Teil 2: Kunststoff- und Elastomerbahnen für Dachabdichtungen

This European Standard was approved by CEN on 22 April 2019.

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This European Standard exists 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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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 1849-2:2019 (E)

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European foreword

This document (EN 1849-2:2019) has been prepared by Technical Committee CEN/TC 254 "Flexible sheets for waterproofing", the secretariat of which is held by NEN.

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 January 2020, and conflicting national standards shall be withdrawn at the latest by January 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1849-2:2009.

Compared with EN 1849-2:2009 the following changes have been made in EN 1849-2:2019:

- the "overall thickness" and "effective thickness" has been replaced by:
 - mechanical effective thickness (d_{effm});
 - optical effective thickness (d_{effo});
 - mechanical overall thickness (d_m); The STAN DARD PREVIEW
 - optical overall thickness (d_a) : (d_a) :
- Figure 1 and Figure 2 have been replaced by new Figure 1 a-d;

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- Table 1 in 5.3 has been removed;/catalog/standards/sist/4853bf82-dca4-4771-9f89-2974a92a0d91/sist-en-1849-2-2019
- Figure 3 has been updated;
- a new Figure 2 has been introduced in 5.2.1;
- Figure A.1 has been replaced by a new one.

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).

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 1849-2:2019 (E)

Introduction

This European Standard is intended for characterisation of plastic and rubber sheets as manufactured or supplied before use. This test method 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.

This test is intended to be used in conjunction with European Standard "Definition and Characteristics" for plastic and rubber sheets for roof waterproofing (EN 13956).

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1 Scope

This document specifies methods for the determination of the thickness and mass per unit area of plastic and rubber sheets for roof waterproofing.

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 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 following terms and definitions apply.

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

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

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3.1

surface texture

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textured pattern on one or both surfaces of the sheet together creating a difference between the effective and overall thickness not exceeding 0,15 mm_{0.19}

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Note 1 to entry: See Figure 1 a) key 8 a 92 a 0 d 91/sist-en-1849-2-2019

3.2

surface profile (surface structure)

raised area on the surface of the sheet creating a difference between the effective and overall thickness exceeding $0.15~\mathrm{mm}$

Note 1 to entry: See Figure 1 c) key 9.

3.3

mechanical effective thickness (d_{effm})

thickness of the sheet providing the waterproofing measured with a mechanical measuring device

3.4

backing

layer of woven or non-woven fabric of synthetic or mineral fibres or other materials, fixed to the bottom of the sheet

Note 1 to entry: See Figure 1 b) key 7.

3.5

optical effective thickness (d_{effo})

thickness of the sheet providing the waterproofing measured with an optical measuring device

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Note 1 to entry: The overall thickness is an indication to decide which method of thickness measurement is needed. If the optical method is used for the measurement the result of the effective thickness is the optical effective thickness.

3.6

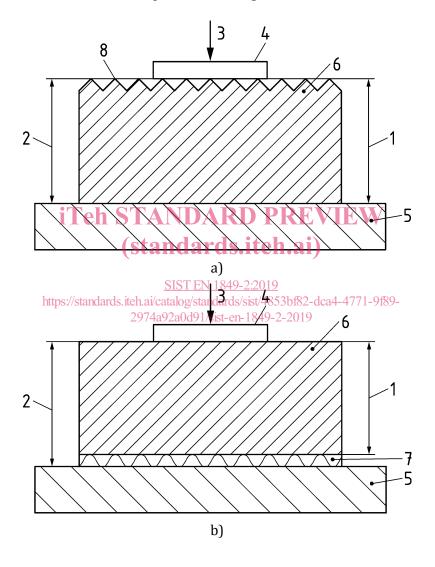
mechanical overall thickness ($d_{\rm m}$)

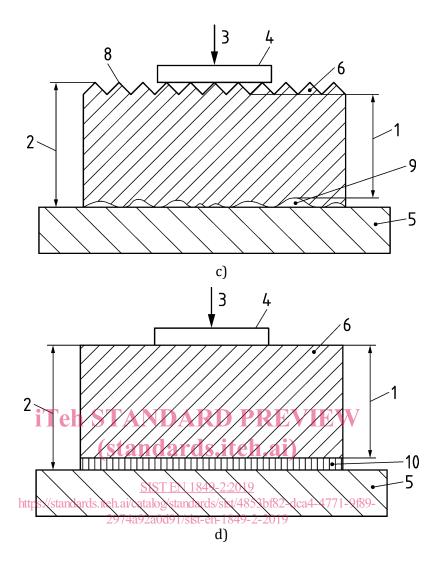
thickness of the sheet measured with a mechanical measuring device

3.7

optical overall thickness (d_0)

thickness of the sheet measured with an optical measuring device





Key

- optical or mechanical effective thickness d_{effo} or d_{effm} (see 3.3 and 3.5)
- 2 optical or mechanical overall thickness d_0 or d_m (see 3.6 and 3.7)
- 3 pressure: (20 ± 10) kPa
- 4 measuring head: (10 ± 0.05) mm diameter
- 5 planar measuring surface
- 6 test specimen
- 7 backing with hindrance (see 3.4 and 5.1)
- 8 surface texture not exceeding 0,15 mm in total
- 9 surface profile (structure) exceeding 0,15 mm in total
- 10 not waterproofing layer (e.g. adhesive layer or protection foil)

Figure 1 — Surface structures and type of measurement

4 Sampling

Test samples shall be taken in accordance with EN 13416.