



SLOVENSKI STANDARD
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Flexible sheets for waterproofing - Definitions and characteristics of underlays - Part 1: Underlays for discontinuous roofing

Abdichtungsbahnen - Definitionen und Eigenschaften von Unterdeck- und Unterspannbahnen - Teil 1: Unterdeck- und Unterspannbahnen für Dachdeckungen

Feuilles souples d'étanchéité - Définitions et caractéristiques des écrans souples - Partie 1 : Écrans souples de sous-toiture pour couverture en petits éléments discontinus

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91.100.50	Veziva. Tesnilni materiali	Binders. Sealing materials

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English Version

Flexible sheets for waterproofing - Definitions and characteristics of underlays - Part 1: Underlays for discontinuous roofing

Feuilles souples d'étanchéité - Définitions et
caractéristiques des écrans souples - Partie 1 : Écrans
souples de sous-toiture pour couverture en petits éléments
discontinus

Abdichtungsbahnen - Definitionen und Eigenschaften von
Unterdeck- und Unterspannbahnen - Teil 1: Unterdeck- und
Unterspannbahnen für Dachdeckungen

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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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.

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Foreword

This document (FprEN 13859-1:2013) 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 Unique Acceptance Procedure.

This document will supersede EN 13859-1:2010.

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 Regulation (EU) No. 305/2011.

For relationship with Regulation (EU) No. 305/2011, see informative Annex ZA, which is an integral part of this document.

The main technical changes that have been made in this new edition are as follows:

- a) the application-related characteristic 'emissivity' has been added;
- b) the wording and the Annex ZA have been adapted to the CPR.

EN 13859, *Flexible sheets for waterproofing — Definitions and characteristics of underlays*, is composed of the following parts:

- *Part 1: Underlays for discontinuous roofing* (the present document);
- *Part 2: Underlays for walls*.

1 Scope

This European standard specifies the characteristics of flexible sheets for underlays which are to be used under roof covering of discontinuous roofs. It specifies the requirements and test methods and provides for the evaluation of conformity of the products with the requirements of this document.

2 Normative references

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

EN 1107-1, *Flexible sheets for waterproofing — Part 1: Bitumen sheets for roof waterproofing — Determination of dimensional stability*

EN 1107-2, *Flexible sheets for waterproofing — Determination of dimensional stability — Part 2: Plastic and rubber sheets for roof waterproofing*

EN 1109, *Flexible sheets for waterproofing — Bitumen sheets for roof waterproofing — Determination of flexibility at low temperature*

EN 1296, *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roofing — Method of artificial ageing by long term exposure to elevated temperature*

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 1848-1, *Flexible sheets for waterproofing — Determination of length, width and straightness — Part 1: Bitumen sheets for roof waterproofing*

EN 1848-2, *Flexible sheets for waterproofing — Determination of length, width, straightness and flatness — Part 2: Plastic and rubber sheets for roof waterproofing*

EN 1849-1, *Flexible sheets for waterproofing — Determination of thickness and mass per unit area — Part 1: Bitumen sheets for roof waterproofing*

EN 1849-2, *Flexible sheets for waterproofing — Determination of thickness and mass per unit area — Part 2: Plastic and rubber sheets*

EN 1928:2000, *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Determination of watertightness*

EN 1931, *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Determination of water vapour transmission properties*

EN 12310-1:1999, *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 13111, *Flexible sheets for waterproofing — Underlays for discontinuous roofing and walls — Determination of resistance to water penetration*

EN 13416:2001, *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Rules for sampling*

FprEN 13859-1:2013 (E)

EN 13501-1:2007+A1:2009, *Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests*

FprEN 13859-2:2013, *Flexible sheets for waterproofing — Definitions and characteristics of underlays — Part 2: Underlays for walls*

EN 15976, *Flexible sheets for waterproofing — Determination of emissivity*

EN ISO 11925-2, *Reaction to fire tests — Ignitability of products subjected to direct impingement of flame — Part 2: Single-flame source test (ISO 11925-2)*

EN ISO 12572, *Hygrothermal performance of building materials and products — Determination of water vapour transmission properties (ISO 12572)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13416:2001 and the following apply.

- 3.1**
manufacturer's declared value
MDV
value declared by the manufacturer accompanied by a declared tolerance
- 3.2**
manufacturer's limiting value
MLV
value stated by the manufacturer to be met during testing, that can be a minimum or a maximum value according to statements made under product characteristics of this document
- 3.3**
sample
sheet from which a test piece is taken
- 3.4**
sampling
procedure used to select or constitute a sample
- 3.5**
test piece
part of the sample from which test specimens are taken
- 3.6**
test specimen
piece of precise dimensions taken from the test piece
- 3.7**
underlays for discontinuous roofing
factory-made flexible sheets of plastics, bitumen, rubber or other suitable materials, which are used as underlay to coverings of sloping roofs (e.g. tiles, slates)
- 3.8**
waterproofing
action to prevent the passage of water from one plane to another