

**Painduvad hüdroisolatsioonimaterjalid.**

**Aluskatete määratlused ja omadused.**

**Osa 2: Seinte aluskatted**

**Flexible sheets for waterproofing -**

**Definitions and characteristics of underlays -**

**Part 2: Underlays for walls**

## EESTI STANDARDI EESSÕNA

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English Version

## Flexible sheets for waterproofing - Definitions and characteristics of underlays - Part 2: Underlays for walls

Feuilles souples d'étanchéité - Définitions et  
caractéristiques des écrans souples - Partie 2: Écrans  
souples pour murs extérieurs

Abdichtungsbahnen - Definitionen und Eigenschaften von  
Unterdeck- und Unterspannbahnen - Teil 2: Unterdeck- und  
Unterspannbahnen für Wände

This European Standard was approved by CEN on 16 February 2014.

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<b>Contents</b>	<b>Page</b>
<b>Foreword</b> .....	<b>4</b>
<b>1 Scope</b> .....	<b>5</b>
<b>2 Normative references</b> .....	<b>5</b>
<b>3 Terms and definitions</b> .....	<b>6</b>
<b>4 Product characteristics</b> .....	<b>6</b>
4.1 General.....	6
4.2 Dimensions, straightness and mass per unit area.....	7
4.3 Application related characteristics.....	7
4.4 Dangerous substances.....	8
<b>5 Testing</b> .....	<b>9</b>
5.1 Sampling.....	9
5.2 Test methods.....	9
<b>6 Assessment and verification of the constancy of performance – AVCP</b> .....	<b>10</b>
6.1 General.....	10
6.2 Type Testing.....	11
6.3 Factory production control (FPC).....	12
<b>7 Product data sheet</b> .....	<b>16</b>
<b>8 Marking, labelling and packaging</b> .....	<b>16</b>
<b>Annex A (normative) Determination of tensile properties</b> .....	<b>17</b>
A.1 General.....	17
A.2 Apparatus.....	17
A.3 Sampling.....	17
A.4 Preparation of test specimens.....	17
A.5 Procedure.....	17
A.6 Expression and evaluation of results.....	18
A.7 Test report.....	19
<b>Annex B (normative) Determination of resistance to tearing</b> .....	<b>20</b>
B.1 General.....	20
B.2 Apparatus.....	20
B.3 Sampling.....	20
B.4 Preparation of test specimens.....	20
B.5 Procedure.....	20
B.6 Expression and evaluation of results.....	21
B.7 Test report.....	21
<b>Annex C (normative) Artificial ageing by exposure to UV and heat</b> .....	<b>22</b>
C.1 General.....	22
C.2 Principle.....	22
C.3 Apparatus.....	22
C.4 Preparation of test specimens.....	22
C.5 Procedure.....	23
C.6 Expression of results.....	23
C.7 Test report.....	23
<b>Annex D (normative) Product type determination and frequencies of testing for factory production control</b> .....	<b>25</b>
<b>Annex E (informative) Example of a product data sheet</b> .....	<b>26</b>

<b>Annex ZA (informative) Clauses of this European Standard addressing provision of the</b>	
<b>Construction Products Regulation (CPR).....</b>	<b>28</b>
<b>ZA.1 Scope and relevant characteristics .....</b>	<b>28</b>
<b>ZA.2 Procedures for AVPC of the flexible sheets for underlays .....</b>	<b>29</b>
<b>ZA.3 CE marking and labelling.....</b>	<b>36</b>
<b>Bibliography.....</b>	<b>38</b>

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## Foreword

This document (EN 13859-2:2014) 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 October 2014 and conflicting national standards shall be withdrawn at the latest by October 2014.

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

This document supersedes EN 13859-2:2010.

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

- a) application related characteristic emissivity has been added;
- b) wording and Annex ZA has 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;
- Part 2: Underlays for walls (the present document).

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.

According to the CEN-CENELEC Internal Regulations, the national standards organizations 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## 1 Scope

This European standard specifies the characteristics of flexible sheets for underlays for walls which are to be used in walls behind outside wall coverings in order to avoid penetration of wind and water from outside. 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 12114, *Thermal performance of buildings - Air permeability of building components and building elements - Laboratory test method*

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*

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

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 11925-2:2010)*

EN ISO 12572, *Hygrothermal performance of building materials and products - Determination of water vapour transmission properties (ISO 12572:2001)*

### 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 that is stated by the manufacturer to be met during testing and that can be a minimum or a maximum value according to statements made under the 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 walls**  
factory made flexible sheets of plastics, bitumen, rubber or other suitable materials, which are used behind external wall coverings