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Flexible sheets for waterproofing - Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet - Definitions and characteristics

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

**Flexible sheets for waterproofing - Plastic and rubber damp
proof sheets including plastic and rubber basement tanking
sheet - Definitions and characteristics**

Feuilles souples d'étanchéité - Feuilles plastiques et
élastomères empêchant les remontées capillaires du sol -
Définitions et caractéristiques

Abdichtungsbahnen - Kunststoff- und Elastomerbahnen für
die Bauwerksabdichtung gegen Bodenfeuchte und Wasser
- Definitionen und Eigenschaften

This European Standard was approved by CEN on 23 March 2012.

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Foreword

This document (EN 13967:2012) 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of an identical text or by endorsement, at the latest by October 2012, and conflicting national standards shall be withdrawn at the latest by October 2012.

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 13967:2004.

The main technical changes are:

- For durability against chemicals, EN 1847:2009 of TC 254 is used instead of special Annex C.
- The minimum tolerance for the water vapour transmission is fixed.
- The rules for mounting and fixing for reaction of fire testing are improved and the variation of products where results apply are fixed.

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).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

This European Standard is a general product standard for flexible sheets of plastics intended for damp proof sheets, including plastics basement tanking sheets, for use in buildings. This standard is one of a series of product standards for factory made flexible sheets for use in buildings.

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, 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 document specifies definitions and characteristics of flexible plastic and rubber sheets which are intended to be used as damp proofing for buildings, including basement tanking. It specifies the requirements and test methods, and provides for the evaluation of conformity of the products with the requirements of this standard.

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

EN 1548, *Flexible sheets for waterproofing — Plastic and rubber sheets for roof waterproofing — Method for exposure to bitumen*

EN 1847:2009, *Flexible sheets for waterproofing — Plastic and rubber sheets for roof waterproofing — Methods for exposure to liquid chemicals, including water*

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

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

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

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, *Flexible sheets for waterproofing — Part 1: Bitumen sheets for waterproofing — Determination of resistance to tearing (nail shank)*

EN 12311-2, *Flexible sheets for waterproofing — Determination of tensile properties — Part 2: Plastic and rubber sheets for roof waterproofing*

EN 12317-2, *Flexible sheets for waterproofing — Determination of shear resistance of joints — Part 2: Plastic and rubber sheets for roof waterproofing*

EN 12691, *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Determination of resistance to impact*

EN 12730:2001, *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Determination of resistance to static loading*

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 13859-1:2010, *Flexible sheets for waterproofing — Definitions and characteristics of underlays — Part 1: Underlays for discontinuous roofing*

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)*

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

sheet for damp proofing

plastic or rubber sheet used on or under floors/ground slabs or in walls to prevent liquid water not under hydrostatic pressure passing from the ground into the internal environment

3.2

ventilating or draining damp proof sheet

sheet conforming to the definition in 3.1 and with the ability to provide a continuous void or structure to allow free movement of water vapour or liquid water between the sheet and any further construction

3.3

tanking sheet

sheet conforming to the definition in 3.1 used in wall construction or on or under floors or ground slabs to prevent liquid water under hydrostatic pressure passing from the ground into the internal environment or from one section of the structure to another

3.4

manufacturer's limiting value

MLV

value stated by the manufacturer to be met during testing

Note 1 to entry: The manufacturer's limiting value can be a minimum value or a maximum value, according to statements made under product characteristics of this standard.

3.5

manufacturer's declared value

MDV

value declared by the manufacturer accompanied by a declared tolerance

3.6

plastic sheet

factory-made flexible sheet made from a plastic polymeric material and which may include composites of other materials

3.7

rubber sheet

factory-made flexible sheet made from an elastomeric polymeric material and which may include composites of other materials

3.8

sampling

procedure used to select or constitute a sample

3.9

sample

sheet from which a test piece is taken