

Elastsed niiskusisolatsioonimaterjalid. Plastikust ja kummist hüdroisolatsioonikihid. Määratlused ja omadused

Flexible sheets for waterproofing - Plastic and rubber damp proof courses - Definitions and characteristics

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 14909:2012 sisaldab Euroopa standardi EN 14909:2012 ingliskeelset teksti.	This Estonian standard EVS-EN 14909:2012 consists of the English text of the European standard EN 14909:2012.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 09.05.2012.	Date of Availability of the European standard is 09.05.2012.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 01.040.91, 91.100.50

Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega:
Aru 10, 10317 Tallinn, Eesti; www.evs.ee; telefon 605 5050; e-post info@evs.ee

The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation:
Aru 10, 10317 Tallinn, Estonia; www.evs.ee; phone 605 5050; e-mail info@evs.ee

English Version

Flexible sheets for waterproofing - Plastic and rubber damp
proof courses - Definitions and characteristics

Feuilles souples d'étanchéité - Barrières d'étanchéité
plastiques et élastomères contre les remontées capillaires
dans les murs - Définitions et caractéristiques

Abdichtungsbahnen - Kunststoff- und Elastomer-
Mauersperrbahnen - Definitionen und Eigenschaften

This European Standard was approved by CEN on 30 March 2012.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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.

CEN members are the national standards bodies of 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 United Kingdom.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	7
4 Product designation	8
5 Product characteristics	8
5.1 General.....	8
5.2 Deviation from test sample dimensions.....	8
5.3 Visible defects.....	8
5.4 Dimensions and tolerances	8
5.5 Thickness and mass per unit area	8
5.6 Watertightness	8
5.7 Resistance to impact.....	9
5.8 Durability	9
5.8.1 Against ageing/degradation	9
5.8.2 Against alkali.....	9
5.9 Resistance to low temperature.....	9
5.10 Resistance to tearing (nail shank)	9
5.11 Joint strength	9
5.12 Water vapour transmission properties.....	9
5.13 Resistance to static loading	9
5.14 Resistance to deformation under load for type V	9
5.15 Reaction to fire.....	10
5.16 Dangerous substances	10
6 Evaluation of conformity.....	10
6.1 General.....	10
6.2 Initial type testing	10
6.2.1 General.....	10
6.2.2 Sampling	12
6.3 Factory production control (FPC)	12
6.3.1 General.....	12
6.3.2 Frequency of testing	12
7 Product data sheet.....	12
8 Marking, labelling and packaging	13
Annex A (informative) Product designation code	14
Annex B (normative) Method of testing the resistance of flexible ventilating damp proof membranes to deformation under load	15
B.1 Principle.....	15
B.2 Apparatus	16
B.3 Preparation of test samples and test specimens	17
B.4 Procedure	17
B.5 Expression of results	18
B.6 Test report	18
Annex C (informative) Example of product data sheet.....	19

Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU	
Construction Products Directive	21
ZA.1 Scope and relevant characteristics	21
ZA.2 Procedures for attestation of conformity	22
ZA.3 CE marking and labelling	27
Bibliography	29

Foreword

This document (EN 14909:2012) 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 November 2012, and conflicting national standards shall be withdrawn at the latest by November 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 14909:2006.

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.

The main technical changes are:

- the resistance to low temperature is only tested with the upper side in tension;
- 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 a result apply are fixed;
- for FPC the indirect testing as in other TC 254 standards is introduced.

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.

Introduction

The purpose of damp proof courses is to prevent water rising up a wall from the ground, water moving from one part of a wall to another and to deflect water from an inner wall of a cavity wall construction to the exterior of the building. Damp proof courses may also be used in masonry chimneys and parapet walls to protect the inside of the building from water moving down from above.

They should be designed in conjunction with flashings and sheets for waterproofing, including roofing sheets and damp proof sheets, to ensure a continuous barrier and should deflect water to the exterior of a building so that it can drain away safely.

1 Scope

This European Standard specifies the characteristics of flexible sheets of plastics and rubber intended for use as damp proof courses for buildings. It specifies the requirements and test methods and provides for the evaluation of conformity of the products with the requirements of this European Standard.

This European Standard does not cover related products such as preformed cavity trays, coping and flashings.

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 495-5, *Flexible sheets for waterproofing — Determination of foldability at low temperature — Part 5: Plastic and rubber sheets for roof waterproofing*

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 1847, *Flexible sheets for waterproofing — Plastics 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 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, *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 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

waterproofing

action to prevent the passage of water from one plane to another

3.2

plastics and rubber damp proof course

flexible sheets of plastics or rubbers or composites based on these materials whose function is to prevent liquid water passing from one part of the wall to another (see Introduction)

3.3

ventilating or draining damp proof course

flexible sheets conforming to the definition in 3.2 but with the ability to provide a continuous void or structure to allow free movement of water vapour or liquid water between the underside of the damp proof course and any further construction

3.4

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 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 or rubber sheet

factory-made flexible membrane made from a plastic or rubber which may include composites with other materials

3.7

sampling

procedure used to select or constitute a sample

3.8

sample

sheet from which a test piece is taken

3.9

test piece

part of the sample from which test specimens are taken

3.10

test specimen

piece of precise dimensions taken from the test piece

3.11

batch

amount of product continuously manufactured to the same specification