



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 14909:2006

ICS 01.040.91
91.100.50

**FLEXIBLE SHEETS FOR WATERPROOFING -
PLASTIC AND RUBBER DAMP PROOF
COURSES - DEFINITIONS AND
CHARACTERISTICS**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

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English Version

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

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

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

This European Standard was approved by CEN on 2 March 2006.

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Foreword

This European Standard (EN 14909:2006) has been prepared by Technical Committee CEN/TC 254 “Flexible sheets for waterproofing”, the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by October 2006, and conflicting national standards shall be withdrawn at the latest by October 2006.

This European Standard 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 European Standard.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, 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 and 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 referenced documents are indispensable for the application of this European Standard. 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 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 for roof waterproofing*

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

EN 1928, *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 the 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 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*

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EN 13501-1:2002, *Fire classification of construction products and building elements - Part 1: Classification using test data from reaction to fire tests*

EN ISO 11925-2, *Reaction to fire tests - Ignitability of building products when subjected to direct impingement of flame - Part 2: Single-flame source test (ISO 11925-2:2002)*

3 Terms and definitions

For the purposes of this European Standard, 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). In composite sheets the plastic or rubber is the functional component
- 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 stated by the manufacturer to be met during testing. The manufacturer's limiting value 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

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