

BS EN 13859-1:2014



BSI Standards Publication

Flexible sheets for waterproofing — Definitions and characteristics of underlays

Part 1: Underlays for discontinuous roofing

bsi.

...making excellence a habit.TM

This is a preview. Click here to purchase the full publication.

National foreword

This British Standard is the UK implementation of EN 13859-1:2014. It supersedes BS EN 13859-1:2010 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/546, Flexible sheets for waterproofing and water vapour control.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2014. Published by BSI Standards Limited 2014

ISBN 978 0 580 80945 3

ICS 01.040.91; 91.100.50

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 May 2014.

Amendments issued since publication

Date	Text affected

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 13859-1

April 2014

ICS 91.100.50

Supersedes EN 13859-1:2010

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 European Standard was approved by CEN on 16 February 2014.

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, 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 United Kingdom.



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

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

C.2	Principle.....	23
C.3	Apparatus.....	23
C.4	Preparation of test specimens	23
C.5	Procedure.....	24
C.6	Expression of results	24
C.7	Test report.....	24
	Annex D (normative) Product type determination and frequencies of testing for factory production control.....	26
	Annex E (informative) Example of a product data sheet.....	28
	Annex F (normative) Determination of the watertightness of seams	30
F.1	General	30
F.2	Terms and definitions	30
F.3	Procedure.....	30
F.4	Apparatus.....	30
F.5	Preparation of the test specimens.....	30
F.6	Procedure.....	31
F.7	Evaluation.....	31
F.8	Test report.....	31
	Annex ZA (informative) Clauses of this European Standard addressing provisions of the EU Construction Products Regulation (CPR).....	32
ZA.1	Scope and relevant characteristics	32
ZA.2	Procedures for AVPC of the flexible sheets for underlays	33
ZA.2.1	Systems of AVPC	33
ZA.2.2	Declaration of performance (DoP)	35
ZA.2.2.1	General.....	35
ZA.2.2.2	Content.....	36
ZA.2.2.3	Example of DoP.....	37
ZA.3	CE marking and labelling.....	39
	Bibliography.....	42