



BSI Standards Publication

Flexible sheets for waterproofing — Reinforced bitumen sheets for roof waterproofing — Definitions and characteristics

National foreword

This British Standard is the UK implementation of EN 13707:2013. It supersedes BS EN 13707:2004+A2:2009 which is withdrawn.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 2013. Published by BSI Standards Limited 2013

ISBN 978 0 580 77792 9

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 October 2013.

Amendments issued since publication

Date	Text affected
------	---------------

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 13707

October 2013

ICS 91.100.50; 01.040.91

Supersedes EN 13707:2004+A2:2009

English Version

**Flexible sheets for waterproofing - Reinforced bitumen sheets
for roof waterproofing - Definitions and characteristics**

Feuilles souples d'étanchéité - Feuilles bitumineuses
armées pour l'étanchéité de toiture - Définitions et
caractéristiques

Abdichtungsbahnen - Bitumenbahnen mit Trägereinlage für
Dachabdichtungen - Definitionen und Eigenschaften

This European Standard was approved by CEN on 12 November 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, 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 System-related characteristics.....	8
5 Product characteristics	8
5.1 General.....	8
5.2 Characteristics	8
5.2.1 Visible defects	8
5.2.2 Dimensions, tolerances and mass per unit area	8
5.2.3 Watertightness	8
5.2.4 Effects of water	8
5.2.5 Fire performance.....	9
5.2.6 Resistance to hail	9
5.2.7 Watertightness after stretching at low temperature	9
5.2.8 Joint strength	10
5.2.9 Water vapour properties	10
5.2.10 Tensile properties	10
5.2.11 Resistance to impact	10
5.2.12 Resistance to static loading	10
5.2.13 Resistance to tearing (nail shank)	10
5.2.14 Resistance to root penetration.....	10
5.2.15 Dimensional stability	10
5.2.16 Form stability under cyclic temperature change.....	10
5.2.17 Flexibility at low temperature (pliability)	11
5.2.18 Flow resistance at elevated temperature	11
5.2.19 Artificial ageing behaviour.....	11
5.2.20 Adhesion of granules	12
5.3 Dangerous substances	12
6 Evaluation of conformity.....	12
6.1 General.....	12
6.2 Initial Type Testing – Type Testing	12
6.2.1 General.....	12
6.2.2 Test reports	13
6.3 Factory production control (FPC)	13
6.3.1 General.....	13
6.3.2 Requirements	14
6.3.3 Product specific requirements	15
6.3.4 Initial inspection of factory and of FPC	16
6.3.5 Continuous surveillance of FPC	17
6.3.6 Procedure for modifications.....	17
7 Product data sheet.....	17
8 Marking, labelling and packaging	18
Annex A (normative) Applicability of characteristics.....	19
Annex B (normative) Frequencies of testing for factory production control	20
Annex C (informative) Information about chemical resistance	21
Annex D (informative) Example of a product data sheet — General information	23

Annex E (informative) Wind-uplift properties of mechanically fixed bituminous membranes —	
General information	25
Annex ZA (informative) Clauses of this European Standard addressing essential requirements or	
other provisions of EU Directives.....	26
ZA.1 Scope and relevant characteristics	26
ZA.2 Procedure for attestation of conformity of the bitumen sheets	28
ZA.2.1 Systems of attestation of conformity	28
ZA.2.2 EC Certificate and Declaration of conformity.....	34
ZA.3 CE marking and labelling.....	36
Bibliography	39