

SVENSK STANDARD

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Flexibla tätskikt – Bitumenbaserade tätskikt för tak – Bestämning av böjlighet vid låg temperatur

Flexible sheets for waterproofing – Bitumen sheets for roof waterproofing – Determination of flexibility at low temperature

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Denna standard ersätter SS-EN 1109, utgåva 1.

The European Standard EN 1109:2013 has the status of a Swedish Standard. This document contains the official version of EN 1109:2013.

This standard supersedes the Swedish Standard SS-EN 1109, edition 1.

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Denna standard är framtagen av kommittén för Tätskikt och geosynteter, SIS/TK 177.

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EUROPEAN STANDARD

EN 1109

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2013

ICS 91.100.50

Supersedes EN 1109:1999

English Version

Flexible sheets for waterproofing - Bitumen sheets for roof waterproofing - Determination of flexibility at low temperature

Feuilles souples d'étanchéité - Feuilles d'étanchéité de toiture bitumineuses - Détermination de la souplesse à basse température

Abdichtungsbahnen - Bitumenbahnen für Dachabdichtungen - Bestimmung des Kaltbiegeverhaltens

This European Standard was approved by CEN on 14 March 2013.

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.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 1109:2013) 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 2013, and conflicting national standards shall be withdrawn at the latest by October 2013.

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 1109:1999.

The significant change made since this previous version is:

— the change of the coolant to be used.

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, 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 the United Kingdom.

SS-EN 1109:2013 (E)

Introduction

This European Standard is intended for the characterisation and/or classification of bitumen sheets as manufactured or supplied before use. The test method relates exclusively to products, or to their components where appropriate, and not to waterproofing systems of such products and installed in the works.

This test is intended to be used in conjunctions within the relevant European products specifications for bitumen flexible sheets for waterproofing.

The test for flexibility at a low temperature is intended to determine the susceptibility to cracking of the bituminous coating on a sheet when bent under specified conditions. The test result is dependent on the type of coating, on the thickness of the sheet, type and position of the reinforcement and the behaviour of the surface material. The use of the test results directly to compare the performance of coatings in sheets of different composition is strictly limited because of the influence of parameters which have not been quantified. Only the results from sheets with the same composition can be used to compare the performance directly.

The test primarily serves to characterise bitumen sheets. It can be used to evaluate the change in the cold bending behaviour during artificial ageing. It is not safe to relate the test results to the actual performance to be expected at low temperatures in service.

Compared to EN 1109:1999, in this new version of EN 1109 one type of coolant is described, which will give more reliable results.