Flexible sheets for waterproofing Plastic and rubber sheets for roof waterproofing - Method for exposure to bitumen

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1548:2007 sisaldab Euroopa standardi EN 1548:2007 ingliskeelset teksti.

Käesolev dokument on jõustatud 22.11.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 1548:2007 consists of the English text of the European standard EN 1548:2007.

This document is endorsed on 22.11.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

Käsitlusala:

This European Standard specifies a method of exposing test specimens of plastic and rubber sheets for roofing free from all external restraint, to contact with bitumen at an elevated temperature and methods for determining the changes in properties resulting from such exposure. The methods for determination of changes in properties are specified as follows:a) changes in mass directly after contact with bitumen;b) changes in physical properties after contact with bitumen.

Scope:

This European Standard specifies a method of exposing test specimens of plastic and rubber sheets for roofing free from all external restraint, to contact with bitumen at an elevated temperature and methods for determining the changes in properties resulting from such exposure. The methods for determination of changes in properties are specified as follows:a) changes in mass directly after contact with bitumen;b) changes in physical properties after contact with bitumen.

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Flexible sheets for waterproofing - Plastic and rubber sheets for roof waterproofing - Method for exposure to bitumen

Feuilles souples d'étanchéité - Feuilles d'étanchéité de toiture plastiques et élastomères - Méthode d'exposition au bitume

Abdichtungsbahnen - Kunststoff- und Elastomerbahnen für Dachabdichtungen - Verhalten nach Lagerung auf Bitumen

This European Standard was approved by CEN on 27 July 2007.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria Belgium, Bulgaria, 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.



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

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Foreword

This document (EN 1548:2007) 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 March 2008, and conflicting national standards shall be withdrawn at the latest by March 2008.

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, 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

This European Standard is intended for characterisation of plastic and rubber sheets as manufactured or ocument is a previous sense agreed by Files supplied before use. This test method relates exclusively to products or to their components where appropriate, and not to waterproofing membrane systems composed of such products and installed in the works.

1 Scope

This European Standard specifies a method of exposing test specimens of plastic and rubber sheets for roofing free from all external restraint, to contact with bitumen at an elevated temperature and methods for determining the changes in properties resulting from such exposure.

The methods for determination of changes in properties are specified as follows:

- a) changes in mass directly after contact with bitumen;
- b) changes in physical properties after contact with bitumen.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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 12311-2, Flexible sheets for waterproofing – Determination of tensile properties – Part 2: Plastic and rubber sheets for roof waterproofing

EN 13416, Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing – Rules for sampling

EN 13956:2005, Flexible sheets for waterproofing – Plastic and rubber sheets for roof waterproofing – Definitions and characteristics

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 13956:2005 apply.

4 General

The bitumen compatibility of sheets with an inner layer and EPDM sheets may be determined by a change in mass.

The bitumen compatibility of sheets without an inner layer may be determined by the change in Young's Modulus. Results obtained by this test method from homogeneous sheets can be applied to sheets manufactured with same chemical formulation, but having inner reinforcement layers (e.g. fabric or non-wovens of polyester or mineral fibres).

NOTE See also Annex A

Sheets with a non-woven backing of at least 150 g/m² or equivalent, which prevents any contact of the waterproofing membrane with bitumen when installed in accordance with the manufacturer's instructions are considered to be bitumen compatible and may be declared as such by the manufacturer. The compatibility with bitumen is determined for the underside of the sheet as installed in accordance with the manufacturer's