Flexible sheets for roofing - Bitumen sheets for roof waterproofing - Determination of form stability under cyclical temperature changes

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EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 1108:2000 sisaldab Euroopa standardi EN 1108:1999 ingliskeelset teksti. Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 1108:2000 consists of the English text of the European standard EN 1108:1999. This document is endorsed on 11.01.2000 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 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 membrane systems composed of such products and installed in the works.	**Scope:** This 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 membrane systems composed of such products and installed in the works.

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Flexible sheets for waterproofing

Bitumen sheets for roof waterproofing

Determination of form stability under cyclical temperature changes

Feuilles souples d'étanchéité – Feuilles d'étanchéité de toiture bitumineuses – Détermination de la stabilité de forme lors d'une variation cyclique de température

Abdichtungsbahnen – Bitumenbahnen für Dachabdichtungen – Bestimmung der Formstabilität bei zyklischer Temperaturänderung

This European Standard was approved by CEN on 1999-07-11.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

This European Standard 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 February 2000, and conflicting national standards shall be withdrawn at the latest by September 2001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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 membrane systems composed of such products and installed in the works.

This test is used for determining the form stability of bitumen sheets whilst fully bonded to a substrate and subjected to thermal cycling. The aim is to demonstrate permanent form stability under the thermal stressing occurring in practice. The test can be used to demonstrate the basic properties of direct relevance to the fitness for purpose of the bitumen sheet.

1 Scope

This European Standard specifies the determination of form stability under cyclical temperature changes. It is mainly applicable to metal faced and/or metal cored bitumen sheets fully bonded to a substrate. This test is not intended to be applied to vapour control layers.

2 Normative references

This European Standard incorporates by dated or undated references provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies.

ISO 5725 : 1986 Precision of test methods - Determination of repeatability and reproducibility for a standard test method by inter-laboratory tests.

3 Definitions

For the purposes of this standard the definitions indicated in 3.1 and in the corresponding European Standards on product specifications apply.

3.1 form stability: The change in length of a test specimen taken from a bitumen sheet, containing a metal foil, when subjected to specified cyclical temperature change.

4 Principle

The test specimens taken from the test sample are fully bonded to a dimensionally stable and heat resistant insulant and subjected to ten cycles of thermal stressing of the upper face. The change in dimensions is measured after each cycle and evaluated at the end of the test.