

**Flexible sheets for waterproofing -  
Bitumen, plastic and rubber sheets for  
roof waterproofing - Determination of  
hail resistance**

Flexible sheets for waterproofing - Bitumen, plastic  
and rubber sheets for roof waterproofing -  
Determination of hail resistance

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13583:2002 sisaldab Euroopa standardi EN 13583:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 16.01.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13583:2002 consists of the English text of the European standard EN 13583:2001.</p> <p>This document is endorsed on 16.01.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> This European Standard specifies the determination of the resistance of flexible sheets for roofing to hail using a test for puncture by simulated hail. This European Standard may also be applied for waterproofing.</p>	<p><b>Scope:</b> This European Standard specifies the determination of the resistance of flexible sheets for roofing to hail using a test for puncture by simulated hail. This European Standard may also be applied for waterproofing.</p>
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ICS 91.100.50

**Võtmesõnad:** climatic protect, consistency, roofing, rubber, sealing mate, sheets, sheets of elastomer, specification (approval), specifications, testing, water proof sheetings, waterproof materials, waterproof properties, weather resistance, weathering, weathering resistance

ICS 91.100.50

English version

## Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Determination of hail resistance

Feuilles souples d'étanchéité - Feuilles bitumineuses, plastiques et élastomériques d'étanchéité de toiture - Détermination de la résistance à l'impact de la grêle

Abdichtungsbahnen - Bitumen-, Kunststoff- und Elastomerbahnen für Dachabdichtungen - Bestimmung des Widerstandes gegen Hagelschlag

This European Standard was approved by CEN on 3 May 2001.

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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 Management Centre has the same status as the official versions.

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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 December 2001, and conflicting national standards shall be withdrawn at the latest by July 2002.

No existing European Standard is superseded.

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.

## 1 Scope

This European Standard specifies the determination of the resistance of flexible sheets for roofing to hail using a test for puncture by simulated hail.

This European Standard may also be applied for waterproofing.

## 2 Normative references

This European Standard incorporates by dated or undated reference, 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 (including amendments).

EN 13416

Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Rules for sampling.

## 3 Terms and definitions

For the purposes of this standard, the terms and definitions indicated in 3.1 to 3.2 apply:

### 3.1

#### surface

the upper side of the sheet, as used in situ; it is usually the inside of the roll

### 3.2

#### damaging velocity $v_s$

lowest determined velocity of the ball to cause perforation with loss of tightness rounded off to the next integer in m/s