

SVENSK STANDARD

SS-EN 13583:2012

Fastställt/Approved: 2012-07-21
Publicerad/Published: 2012-08-22
Utgåva/Edition: 2
Språk/Language: engelska/English
ICS: 91.100.50

Flexibla tätskikt – Bitumen-, plast- och gummibaserade tätskikt för tak – Bestämning av hagelmotstånd

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

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Denna standard ersätter SS-EN 13583, utgåva 1.

The European Standard EN 13583:2012 has the status of a Swedish Standard. This document contains the official version of EN 13583:2012.

This standard supersedes the Swedish Standard SS-EN 13583, edition 1.

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EUROPEAN STANDARD

EN 13583

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2012

ICS 91.100.50

Supersedes EN 13583:2001

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 7 April 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.

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

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Foreword

This document (EN 13583:2012) 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 January 2013, and conflicting national standards shall be withdrawn at the latest by January 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 13583:2001.

The following is a list of significant technical changes since the last edition:

- definition of EPS board as soft support;
- definition of sandpaper for use on hard support;
- new definition of v_d damaging velocity;
- indications regarding calibration.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

According to the CEN/CENELEC Internal Regulations, the national standards organisations 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 13583:2012 (E)

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

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

EN 826, *Thermal insulating products for building applications — Determination of compression behaviour*

EN 1849-1, *Flexible sheets for waterproofing — Determination of thickness and mass per unit area — Part 1: Bitumen sheets for roof waterproofing*

EN 1849-2, *Flexible sheets for waterproofing — Determination of thickness and mass per unit area — Part 2: Plastic and rubber sheets*

prEN 10025-2:2011, *Hot rolled products of structural steels — Part 2: Technical delivery conditions for non-alloy structural steels*¹⁾

EN 13163, *Thermal insulation products for buildings — Factory made products of expanded polystyrene (EPS) — Specification*

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

EN 13956:2005, *Flexible sheet for waterproofing — Plastic and rubber sheets for roof waterproofing — Definitions and characteristics*

ISO 6344-1:1998, *Coated abrasives — Grain size analysis — Part 1: Grain size distribution test*

3 Terms and definitions

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

NOTE EN 13956:2005 gives the definitions for “sampling”, “sample”, “test piece”, “test specimen”.

3.1

surface

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

3.2

damaging velocity

v_d

determined velocity of the ball rounded to the next integer in m/s, which has caused perforation in maximum 1 out of 5 shots

1) Under preparation