

SVENSK STANDARD

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Kantsten av natursten för utomhusbruk – Krav och provningsmetoder

Kerbs of natural stone for external paving – Requirements and test methods

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The European Standard EN 1343:2012 has the status of a Swedish Standard. This document contains the official version of EN 1343:2012.

This standard supersedes the Swedish Standard SS-EN 1343, edition 2 and SS-EN 1343/T1, edition 1.

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EUROPEAN STANDARD

EN 1343

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2012

ICS 93.080.20

Supersedes EN 1343:2001

English Version

Kerbs of natural stone for external paving - Requirements and test methods

Bordures de pierre naturelle pour le pavage extérieur -
Exigences et méthodes d'essai

Bordsteine aus Naturstein für Außenbereiche -
Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 6 October 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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EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 1343:2012) has been prepared by Technical Committee CEN/TC 178 "Paving units and kerbs", 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of an identical text or by endorsement, at the latest by May 2013, and conflicting national standards shall be withdrawn at the latest by August 2014.

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 1343:2001.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

The following changes have been made in this new edition:

- a) Where possible the requirements refer to separate test methods prepared by CEN/TC 246, "Natural stones". The change was made to allow those placing the products on the market to use the same test results for a number of products.
- b) The values to be declared have been clarified and where applicable the declared values are now 'lower expected values'.

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.

1 Scope

This European Standard specifies the performance requirements and the corresponding test methods for all natural stone kerbs used for external paving and road finishes.

External paving use includes all pavements typical of road works, such as pedestrian and trafficked areas, outdoor squares and similar to be used in an outdoor condition that are subject to the weathering agents, such as temperature changes, rain, ice, wind, etc.

This European Standard provides also for the evaluation of conformity and for marking of the natural stone slabs.

This European Standard also covers characteristics that are of importance to the trade.

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 1936, *Natural stone test methods — Determination of real density and apparent density, and of total and open porosity*

EN 12371, *Natural stone test methods — Determination of frost resistance*

EN 12372, *Natural stone test methods — Determination of flexural strength under concentrated load*

EN 12407, *Natural stone test methods — Petrographic examination*

EN 12440, *Natural stone — Denomination criteria*

EN 13373:2003, *Natural stone test methods — Determination of geometric characteristics on units*

EN 13755, *Natural stone test methods — Determination of water absorption at atmospheric pressure*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

kerb

unit greater than 300 mm in length, commonly used as edging to a road or footpath

Note 1 to entry: See Figure 1.

3.1.1

curved concave kerb

kerb, curved in plan with a concave face

3.1.2

curved convex kerb

kerb, curved in plan with a convex face

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- 3.2
upper face**
horizontal surface of a kerb intended to be seen when in use
- 3.3
bed face**
surface of a kerb intended to be in contact with the bedding material when in use
- 3.4
front face**
vertical traffic face of the kerb
- 3.5
rear face**
vertical and facing away from the traffic (probably in contact with the ground)
- 3.6
actual dimension**
dimension of a kerb as measured
- 3.7
work dimension**
size of a kerb as specified
- 3.8
overall length**
length of a kerb measured on the visible face
- Note 1 to entry: See Figure 2.
- 3.9
overall width**
shorter side of the rectangle with the smallest area able to enclose the kerb
- Note 1 to entry: This only applies to straight kerbs. The overall width of a curved kerb is the widest point of the cross-section of the kerb (see Figure 2).
- 3.10
height**
distance between the upper face and the bed face of the kerb
- 3.11
batter**
intended deviation from the vertical of the traffic face of a kerb
- 3.12
textured**
kerb with a surface finish produced by secondary processing, from a saw or hewn surface
- 3.13
fine textured**
surface finish with a maximum difference of 1,0 mm between peaks and depressions (for example, polished, honed or sawn with a diamond disc or blade)
- 3.14
coarse textured**
surface finish with more than 1,0 mm difference between peaks and depressions (for example, dolly pointed, shot blasted or flame textured)

3.15

hewn

kerb with a natural surface finish which has not subjected to secondary processing, for example a riven or split face

3.16

tooled

finish resulting from mechanical surface treatment and showing tool marks

3.17

lower expected value

LEV

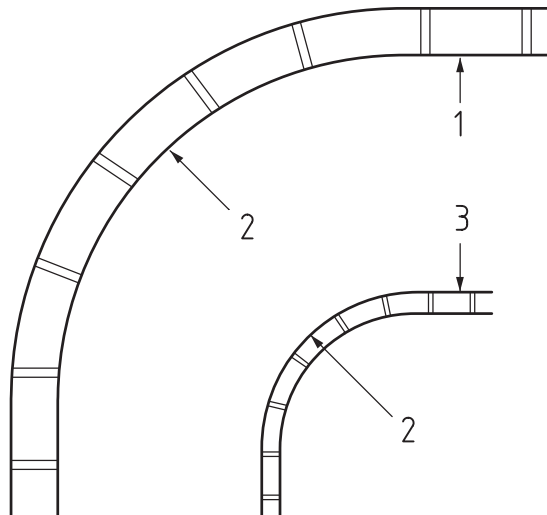
value (E_L) which corresponds to the 5 %-quantile of a logarithmic normal distribution for a confidence level of 75 %

3.18

higher expected value

HEV

value (E_H) which corresponds to the 95 %-quantile of a logarithmic normal distribution for a confidence level of 75 %



Key

1 = inner radius concave front face

2 = radius

3 = outer radius convex front face

Figure 1 — Diagram showing convex and concave kerbs