



SLOVENSKI STANDARD
SIST EN 1463-1:1999/A1:2004
01-januar-2004

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Road marking materials - Retroreflecting road studs - Part 1: Initial performance requirements

Straßenmarkierungsmaterialien - Retroreflektierende Markierungsknöpfe - Teil 1: Anforderungen im Neuzustand

Produits de marquage routier - Plots rétrofléchissants - Partie 1: Spécifications des performances initiales

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Ta slovenski standard je istoveten z: EN 1463-1:1997/A1:2003

ICS:

93.080.20 Materiali za gradnjo cest Road construction materials

SIST EN 1463-1:1999/A1:2004 en

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ICS 93.080.20

English version

Road marking materials - Retroreflecting road studs - Part 1: Initial performance requirements

Produits de marquage routier - Plots rétro réfléchissants -
Partie 1: Spécifications des performances initiales

Straßenmarkierungsmaterialien - Retroreflektierende
Markierungsknöpfe - Teil 1: Anforderungen im Neuzustand

This amendment A1 modifies the European Standard EN 1463-1:1997; it was approved by CEN on 7 August 2003.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This amendment 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.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

This document (EN 1463-1:1997/A1:2003) has been prepared by Technical Committee CEN/TC 226 "Road equipment", the secretariat of which is held by AFNOR.

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 April 2004, and conflicting national standards shall be withdrawn at the latest by July 2005.

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.

This document includes a Bibliography.

This amendment is included in a package with EN 1423: 1997/prA1 and EN 13212: 2001 with a common DOW fixed on DAV + 21 months.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

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Amendments of technical nature:

- Page 3, add four new paragraphs to the foreword.
- Page 10, replace the text of clause 7 “Marking” in order to, on the one hand comply with CEN rules (that strongly recommends to include this “clause” in the product standard) and, on the other hand, to be consistent with the information to be included in the clause “CE Marking and labelling” in annex ZA.
- Page 18, after annex D, add annex ZA (informative).

Amendments of editorial nature:

- Page 2/clause 2 “Normative references”, add the following reference mentioned in amendment prA1:
EN 1463-2:2000, *Road marking materials – Retroreflecting road studs – Part 2: Road test performance specifications.*
- Page 2/ clause 2 “Normative references”, replace the reference CIE publication No. 17.4: 1986 *International lighting vocabulary* by CIE publication No. 17.4: 1987 *International lighting vocabulary*.
- Page 3/clause 3 “Definitions”, add date to CIE publication 17.4. It shall read, ...**the definitions given in CIE publication 17.4:1987 apply together...**
- Page 14/clause B.3 “Procedure”, add date to CIE publications ISO/CIE. Last sentence shall read: ...**with ISO/CIE 10526:1991 and ISO/CIE 10527:1991.**
- Page 16/clause C.3 “Measurement and calculations”, add date to CIE publications ISO/CIE. Last paragraph shall read:**in accordance with ISO/CIE 10526:1991 and ISO/CIE 10527:1991 (2° visual field)...**

Foreword

- After the second paragraph, add the following (three) sentences:

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.

This document includes a Bibliography.

- At the end, add the following sentence related to the “**transitional period**”:

Twenty four (24) months after the date of publication of the harmonised part of this European Standard (Annex ZA) in the Official Journal of the European Communities (which follows its availability and notification to the European Commission by CEN/CENELEC), compliance with all the provisions of the Construction Products Directive (CE-marking) becomes compulsory for all products falling within the scope of this European Standard that are placed on the EEA market.

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Page 10: clause 7 “Marking”**The complete text shall be replaced as follows:**

All road studs shall be clearly and permanently marked. The following information shall be on the road stud or the packaging or the accompanying commercial documents using a hierarchical method in that order:

- name or identifying mark of the manufacturer;
- the road stud type and performance classes as identified in clauses 4 and 5 of this standard and clause 6 of EN 1463-2:2000.

Minimum information on the product:

- the name or identifying mark of the manufacturer.

On the packaging:

- all information given on the product, plus
- the road stud type and performance classes as identified in clauses 4 and 5 of this standard and clause 6 of EN 1463-2:2000.

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On the accompanying commercial documents:

- none, if **all** information has already been supplied on the product and packaging;
- any information which **has not already been given** on the product or packaging **plus** all the information given on the product and packaging.

NOTE When annex ZA of this European Standard is used, any information concerning Marking and Labelling in the framework of that annex should be shown separately from the requirements of this clause (in EN 1463-1) and should be given within the format prescribed in the applicable clause in annex ZA. In these circumstances, when specific information pertaining to this clause (in EN 1463-1) has already been supplied through the annex ZA, it does not need to be duplicated.

Annex ZA (informative)

Clauses of this European Standard addressing the provisions of the EU Construction Products Directive

ZA.1 Scope and relevant characteristics

This European Standard has been prepared under mandate M/111 "Circulation Fixtures" given to CEN by the European Commission and the European Free Trade Association.

The clauses of this European Standard shown in this Annex, and/or another European Standard where relevant, meet the requirements of the mandate given under the EU Construction Products Directive (89/106/EEC).

Compliance with these clauses confers a presumption of fitness of retroreflecting road studs for the intended uses indicated herein.

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NOTE 1: Other requirements and other EU Directives, not affecting the fitness for intended use may be applicable to the retroreflecting road studs falling within the scope of this annex.

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NOTE 2: In addition to any specific clauses relating to dangerous substances contained in this European Standard, there may be other requirements applicable to retroreflecting road studs (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the EU Construction Products Directive, these requirements need also to be complied with, **when and where** they apply. An informative database of European and national provisions on dangerous substances is available at the Construction web site on EUROPA (CREATE, accessed through <http://europa.eu.int/comm/enterprise/construction/internal/hygiene.htm>).

This Annex establishes the conditions for the CE-marking of the retroreflecting road studs intended for the use indicated in table ZA.1 and shows the relevant clauses applicable. The scope of this Annex is defined in table ZA.1.

Table ZA.1 - Relevant clauses

Product: Retroreflecting road studs			
Intended use(s): For circulation areas			
Essential characteristics	Requirement clauses in this [and/or another] standard	Mandated level(s) or class(es):	Notes
Night time visibility characteristics			
Retroreflectivity	EN 1463-1:1997/ 5.3.1.1	None	Threshold levels for Types 1, 2 and 3 road studs, as new, are respectively specified for all colours
Colorimetric requirements Chromaticity co-ordinates (x,y)	EN 1463-1:1997/ 5.3.2	None	Pass/fail criteria is specified
Durability in use	EN 1463-2:2000	None	Applicant studs are classified according to their retained performance by: Classes S0 to S3 (studs remaining) Classes R0 to R4 (% Mean R-value)

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The requirement on a certain characteristic is not applicable in those Member States where there are no regulatory requirements for that characteristic for the intended use of the product. In this case, manufacturers placing their products on the market of these Member States are not obliged to determine or declare the performance of their products with regard to this characteristic and the option "no performance determined" (NPD) in the information accompanying the CE marking (see clause ZA.3) may be used.

The "no performance determined" (NPD) option may not be used, however, where the essential characteristic being relevant for the intended use of the product is subjected to a threshold level or pass/fail criteria.