DIN EN 1463-1

ICS 93.080.20

Supersedes
DIN EN 1463-1:2009-07

Road marking materials – Retroreflecting road studs – Part 1: Initial performance requirements; English version EN 1463-1:2021, English translation of DIN EN 1463-1:2022-03

Straßenmarkierungsmaterialien –
Markierungsknöpfe –
Teil 1: Anforderungen im Neuzustand;
Englische Fassung EN 1463-1:2021,
Englische Übersetzung von DIN EN 1463-1:2022-03

Produits de marquage routier –
Plots rétroréfléchissants –
Partie 1: Exigences initiales de performance;
Version anglaise EN 1463-1:2021,
Traduction anglaise de DIN EN 1463-1:2022-03

Document comprises 24 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

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A comma is used as the decimal marker.

Start of application

The start of application of this standard is 2022-03-01.

It should be noted that, in Germany, CE conformity marking of construction products will be permitted once this standard has been listed in the Official Journal of the European Union and/or the *Bundesanzeiger* (German Federal Gazette) and from the date given therein.

For further information, users of this standard should refer to the websites of the European Commission or of the relevant building authority.

National foreword

This document (EN 1463-1:2021) has been prepared by Technical Committee CEN/TC 226 "Road equipment" (Secretariat: AFNOR, France).

The responsible German body involved in its preparation was *DIN-Normenausschuss Bauwesen* (DIN Standards Committee Building and Civil Engineering), Working Committee NA 005-10-22 AA "Horizontal road signs (national mirror committee for CEN/TC 226/WG 2) Joint working group with FGSV".

The DIN documents corresponding to the documents referred to in this document are as follows:

ISO/CIE 11664-1:2019	DIN EN ISO/CIE 11664-1:2020-03
ISO 11664-2:2007	DIN EN ISO 11664-2:2011-07

For current information on this document, please go to DIN's website (www.din.de) and search for the document number in question.

Amendments

This standard differs from DIN EN 1463-1:2009-07 as follows:

a) the structure of the document has been adapted to the new CEN instructions for candidates for harmonized standards for construction products. Terms and Annex ZA have been adapted to the CEN guidelines and template;

b) all content related to temporary products and to non-mandatory features has been deleted (content related to temporarily used marking buttons and to the use features "dimensions" has been deleted);

c) Clause 6 "Assessment and verification of constancy of performance — AVCP" has been added;

d) the former Clause 4 "type of road stud" has been moved to Clause 3 "Terms, definitions, symbols, units and abbreviated terms" under 3.10;

e) the former Clause 5 "Performance Requirements" can be found in this standard under Clause 4 "Characteristics";

f) subclause 4.1.1 “General explanation to angles” has been added to Clause 4 “Product characteristics” (former Clause 5 “Performance Requirements”) to avoid any misinterpretation;

g) the former Table 4 and Table 5 in 5.3.1.1 have been combined as specified in that subclause (see new Table 3 in 4.1.2.1) to facilitate the interpretation of the thresholds corresponding to each characteristic and subsequently to avoid potential errors. Thus, the threshold values for road studs and colours given in the new Table 3 for each type (1, 2 and 3) correspond to those given in the previous version of EN 1463-1;

h) the former subclause 5.3.1 “Photometric requirements” can be found in this standard under 4.1.2.1 “Coefficient of luminous intensity (R)”;

i) the former subclause 5.3.2 “Colorimetric requirements” can be found in this standard under 4.1.2.2 “Chromaticity co-ordinates (x,y)”;

j) subclause 4.2 “Durability of retro-reflectivity” has been added to give a clear link to EN 1463-2:2021. Please note: according to the response to Mandate M/111 adopted by the European Commission (CEN Reference Document No. 1318, June 2013), only the durability of retro-reflectivity expressed as a coefficient of luminous intensity (R) is considered relevant.

Previous editions

DIN EN 1463-1: 1997-10, 2003-12, 2009-07