

Foreword

This document (EN 12899-5:2007/prA1:2010) has been prepared by Technical Committee CEN/TC 226 "Road equipment" the secretariat of which is held by AFNOR.

This document is currently submitted to the Unique Acceptance Procedure.

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 amendment of the following parts of EN 12899-5:2007 have become necessary to incorporate Part 6 of this Standard which deals with the visual performance of retroreflective sheeting materials.

1 Modification to Foreword

In paragraph 2,

line 2 – delete “May 2008” and replace with “month year”

line 3 – delete “August 2012” and replace with “month year”

Insert the following text between paragraphs 2 and 3:

“This document includes Amendment 1 which became necessary to incorporate Part 6 of this Standard which deals with the visual performance of retroreflective sheeting materials.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.”

In paragraph 3, delete existing text and replace with “This document supersedes EN 12899-5:2007.”

In paragraph 6, add “Part 6: Performance of retroreflective sign face materials” to the end of the list

2 Modification to Scope

Line 1 – delete “2 and 3” and replace with “2, 3 and 6”

3 Modification to Clause 2, Normative references

Amend reference to “EN 12899-1:2007” to read “EN 12899-1” and make consequential changes throughout the document

Amend reference to “EN 12899-2:2007” to read “EN 12899-2” and make consequential changes throughout the document

Amend reference to “EN 12899-3:2007” to read “EN 12899-3” and make consequential changes throughout the document

Add references to:

“EN 12899-4, Fixed vertical road traffic signs — Part 5: Factory production control

“EN 12899-6, Fixed vertical road traffic signs — Part 6: Performance of retroreflective sign face materials”

4 Modification to Table 2

Row 3, sub-row 1

column 3 – delete “, 4.2^a.”

Row 3, sub-row 2

column 2 – delete “Coefficient of retroreflection” and replace with “Retroreflection”

column 3 – delete “, 4.2^a.”

Row 4

column 2 – delete “Accelerated weathering^b” and replace with “Natural weathering”

Row 4, insert new sub-row 2

column 2 – insert “Accelerated weathering^a”

column 3 – insert “4.1.1.5”

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Row 5

delete “^a The number of samples and reference samples for ITT for retroreflective materials using microprismatic technology can be found in the relevant European Technical Approval (ETA).”

delete “^b Artificial” *and replace with* “^a Accelerated”

5 Modification to Table 3

Row 3 – *append* “and 12899-6”

6 Modification 4.2.4, Specific requirements

Paragraph 1 – *append* “and 12899-6”

7 Modification to Table 6

Row 3, column 2 – *delete* “Accelerated natural” *and replace with* “Natural”

8 Modification to Table 8

Row 5, column 2 – *delete* “Chromaticity” *and replace with* “Daylight chromaticity”

9 Modification to Table 9

Row 3

column 2 – *delete* “Daytime” *and replace with* “Daylight”

column 4 – *delete* “Type R1 class CR1, CR2 only” *and replace with* “all types”

column 2 – *delete* “Coefficient of retroreflection” *and replace with* “Retroreflection”

Row 4

column 2 – *delete* “Natural weathering” *and replace with* “Natural and accelerated^a weathering”

New row 5

insert “^a Accelerated weathering does not apply to type R2 and R3 retroreflectors and is only tested for type R1 retroreflectors if the manufacturer has opted for this under Part 1.”