

Peter Zehntner reports:

Road marking review from Europe

2007 NZRF/RIAA

Road marking Conference

Copthorne Hotel Bay of Islands,

August 22-24 2007

EN 1824 "Road marking materials – Road trials"

hEN 1423 "Road marking materials – Drop on materials – Glass beads, antiskid aggregates and mixtures of the two"

EN 13197 "Road marking materials – Turntable wear simulators"

CEN/ENV 13459-1 into EN 13459 "Road marking materials – Sampling and testing"

EN 12802 "Road marking materials – Laboratory methods and identification"

EN 1871 "Road marking materials – Physical properties"

EN 1790 "Road marking materials – Preformed road markings"

EN 13212 "Road marking materials – Requirements for factory production control"

EN 1424 "Road marking materials – Premix glass beads"

Target dates:

2007-06-15	10.99	TC resolution send to CMC
2007-06-30	20.60	10.99 + 6 months max. (circulation of first working draft)
2008-06-15	30.99	20.60 + 6 months max. (dispatch of draft for PQ/ENQ/UAP or TCA to CMC)
2009-10-15	45.99	30.99 + 16 months max. (dispatch of draft for FV to CMC) Note: Stage code only valid for EN deliverable

The decision was taken by *weighted vote with 100% positive votes.*

EN 1463 “Retroreflecting road studs – Part 1: Initial performance requirements

The road studs task group is requested to examine the state of the art regarding active road markings and to prepare a recommendation for WG2 at the next meeting as to whether a new WI should be requested for active road markings

EUROPEAN STANDARD

EN 1436

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2007

ICS 93.080.30

Supersedes EN 1436:1997

English Version

Road marking materials - Road marking performance for road users

Produits de marquage routier - Performances des marquages routiers pour les usagers de la route

Straßenmarkierungsmaterialien - Anforderungen an Markierungen auf Straßen

This European Standard was approved by CEN on 21 June 2007.

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 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 Management Centre has the same status as the official versions.

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CEN/TC 226 decides to add a new work item for an amendment to EN 1436 " Road marking materials – Road marking performance for road users "

Track: UAP

Target dates:

2007-06-15	10.99	TC resolution send to CMC
2007-06-30	20.60	10.99 + 6 months max. (circulation of first working draft)
2007-12-30	30.99	20.60 + 6 months max. (dispatch of draft for PQ/ENQ/UAP or TCA to CMC)
-	45.99	30.99 + 16 months max. (dispatch of draft for FV to CMC) Note: Stage code only valid for EN deliverable

The decision was taken by *weighted vote with 100 % positive votes.*

Extract from CEN/TC 226 Draft Resolution 306/2007, launching of UAP of EN 1436: 2007/prA1 "Road marking materials – Road marking performance for road users"

 Table 4 – Classes of R_L for road markings during wetness

Conditions of wetness	Class	Minimum coefficient of retroreflected luminance R_L in $\text{mcd}\cdot\text{m}^{-2}\cdot\text{lx}^{-1}$
As obtained 1 min after flooding the surface in accordance with B.6	RW0	No performance determined
	RW1	$R_L \geq 25$
	RW2	$R_L \geq 35$
	RW3	$R_L \geq 50$
	RW4	$R_L \geq 75$
	RW5	$R_L \geq 100$
	RW6	$R_L \geq 150$
Class RW0 is intended for cases where this type of retroreflection is not required for economic or technological reasons.		

Extract from CEN/TC 226 Draft Resolution 306/2007, launching of UAP of EN 1436: 2007/prA1 "Road marking materials – Road marking performance for road users"

Table 5 – Classes of R_L for road markings during rain

Conditions of rain	Class	Minimum coefficient of retroreflected luminance R_L in $\text{mcd}\cdot\text{m}^{-2}\cdot\text{lx}^{-1}$
As obtained after at least 5 min exposure in accordance with B.7 during uniform rainfall of 20 mm/h	RR0	No performance determined
	RR1	$R_L \geq 25$
	RR2	$R_L \geq 35$
	RR3	$R_L \geq 50$
	RR4	$R_L \geq 75$
	RR5	$R_L \geq 100$
	RR6	$R_L \geq 150$
Class RR0 is intended for cases where this type of retroreflection is not required for economic or technological reasons.		

Extract from CEN/TC 226 Draft Resolution 306/2007, launching of UAP of EN 1436: 2007/prA1 "Road marking materials – Road marking performance for road users"

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4.5 Skid resistance

Deletion of Note 2:

"NOTE 2 Skid resistance can be enhanced by adding anti-skid aggregates but with a substantial negative effect on retroreflective properties."

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Extract from CEN/TC 226 Draft Resolution 306/2007, launching of UAP of EN 1436: 2007/prA1 "Road marking materials – Road marking performance for road users"

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B.2 Spectral match of measuring equipment

Amendement the following paragraph at the end of the clause:

"For vehicle mounted instruments, it is also permissible for the light source to be a visible laser, if calibration is carried out for the colour of the road markings to be measured."

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Extract from CEN/TC 226 Draft Resolution 306/2007, launching of UAP of EN 1436: 2007/prA1 "Road marking materials – Road marking performance for road users"

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B.5 Calibration of measuring equipment

Amendement the following paragraph at the end of the clause:

"For vehicle mounted instruments, it is permissible to use calibrated portable instruments for field calibration provided that the portable instrument in use is calibrated with a traceable standard."

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The End

Thanks for your attention