



BSI Standards Publication

Road marking materials — Road trials

National foreword

This British Standard is the UK implementation of EN 1824:20 20. It supersedes BS EN 1824:2011, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/509/2, Horizontal road markings and road studs.

A list of organizations represented on this committee can be obtained on request to its committee manager.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2020
Published by BSI Standards Limited 2020

ISBN 978 0 539 02185 1

ICS 93.080.20

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 November 2020.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

EUROPEAN STANDARD

EN 1824

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2020

ICS 93.080.20

Supersedes EN 1824:2011

English Version

Road marking materials - Road trials

Produits de marquage routier - Essais routiers

Straßenmarkierungsmaterialien - Feldprüfungen

This European Standard was approved by CEN on 3 August 2020.

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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents

Page

European foreword.....	5
1 Scope	6
2 Normative references.....	6
3 Terms and definitions	6
4 Test sites and conditions	7
4.1 General.....	7
4.2 Test sites characteristics and location	7
4.3 Climatic conditions and classes.....	7
Table 1 — Test Field climatic classes	7
4.4 Road surface conditions and classes	7
Table 2 — Test field roughness classes	8
4.5 Roll-over classes.....	8
Table 3 — Roll-over classes	9
4.6 Studded tyres.....	9
5 Organization of road trials.....	9
5.1 Duration.....	9
5.2 Transverse and longitudinal application patterns	10
5.2.1 General.....	10
5.2.2 Transverse pattern.....	10
Figure 1 — Example of a transverse pattern showing a measurement column	10
5.2.3 Longitudinal pattern	10
Figure 2 — Example of a longitudinal pattern showing a measurement column	11
6 Application of road markings	11
6.1 General.....	11
6.2 Periods for application.....	12
6.3 Conditions suitable for application	12
6.4 Technical specification for application	12
6.5 Sampling and measurements.....	13
6.5.1 Sampling.....	13
6.5.2 Measurement of drying time and weather conditions.....	13
6.5.3 Determination of the useful rate(s) of application and the rate(s) of consumption during application.....	13
7 Measurements related to performance	14
7.1 General.....	14
7.2 Parameters	14
7.3 Measurement areas	14
7.3.1 Roll-over classes	14
7.3.2 Position	14
7.4 Direction of measurements.....	15
7.5 Number of measurements in the measurement area	15
7.6 Periodicity of measurements.....	15
Table 4 — Periodicity of measurements.....	16