

BS EN 14389-1:2015



BSI Standards Publication

Road traffic noise reducing devices — Procedures for assessing long term performance

Part 1: Acoustical characteristics

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National foreword

This British Standard is the UK implementation of EN 14389-1:2015. It supersedes BS EN 14389-1:2007 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/509/6, Fences for the attenuation of noise.

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

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English Version

Road traffic noise reducing devices - Procedures for assessing long term performance - Part 1: Acoustical characteristics

Dispositifs de réduction du bruit du trafic routier - Méthodes d'évaluation des performances à long terme - Partie 1: Caractéristiques acoustiques

Lärmschutzvorrichtungen an Straßen - Verfahren zur Bewertung der Langzeitwirksamkeit - Teil 1: Akustische Eigenschaften

This European Standard was approved by CEN on 16 April 2015.

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Contents	Page
Foreword.....	3
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Requirements	7
5 Report	8
Annex A (normative) Road side exposure – Classification of environmental conditions	10
A.1 General	10
A.2 Environmental classifications* appropriate to road traffic noise reducing devices selected from EN 60721-3-4	11
Annex B (informative) Material standards	13
B.1 General	13
B.2 References	13
Bibliography	16

Foreword

This document (EN 14389-1:2015) 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of an identical text or by endorsement, at the latest by November 2015, and conflicting national standards shall be withdrawn at the latest by November 2015.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 14389-1:2007.

The main change compared to the previous edition is a new presentation of the requirements in order to be coherent with the new EN 14389-2. In the new version, the manufacturer has to declare in Table 1 the working life of the acoustic performance as a function of environmental class.

This part is concerned with long-term durability. It should be read in conjunction with:

EN 1793, *Road traffic noise reducing devices – Test method for determining the acoustical performance,*

- *Part 1: Intrinsic characteristics of sound absorption*
- *Part 2: Intrinsic characteristics of airborne sound insulation under diffuse sound field conditions*
- *Part 6: Intrinsic characteristics – In situ values of airborne sound insulation under direct sound field conditions*

CEN/TS 1793-5, *Road traffic noise reducing devices – Test method for determining the acoustical performance,*

- *Part 5: Intrinsic characteristics – In situ values of sound reflection and airborne sound insulation*

EN 1794, *Road traffic noise reducing devices - Non-acoustic performance,*

- *Part 1: Mechanical performance and stability requirements*
- *Part 2: General safety and environmental requirements*
- *Part 3: Reaction to fire. Burning behaviour of noise reducing devices based on assessment of their components*

EN 14389, *Road traffic noise reducing devices - Procedures for assessing long-term performance,*

- *Part 2: Non-acoustical characteristics*

EN 60721-3-4, *Classification of environmental conditions,*

- *Part 3: Classification of groups of environmental parameters and their severities – Section 4: Stationary use at non-weather protected locations*

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