



SLOVENSKI STANDARD

oSIST prEN 14389-1:2013

01-maj-2013

Protihrupne ovire za cestni promet - Postopki za ocenjevanje učinkovitosti na daljavo - 1. del: Akustične lastnosti

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

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

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

Ta slovenski standard je istoveten z: prEN 14389-1

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ICS:

17.140.30	Emisija hrupa transportnih sredstev	Noise emitted by means of transport
93.080.30	Cestna oprema in pomožne naprave	Road equipment and installations

oSIST prEN 14389-1:2013

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 14389-1

February 2013

ICS 93.080.30

Will supersede EN 14389-1:2007

English Version

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

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 Elemente

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 226.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (prEN 14389-1:2013) 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 CEN Enquiry.

This document will supersede 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-weatherprotected locations (IEC 60721-3-4:1995)

Introduction

Noise Reducing Devices alongside roads should not only fulfil their acoustic function and structural design requirements in accordance with appropriate documents, but also maintain their performance during the required working life. The acoustic elements have to resist the actions of agents within the roadside environment that could significantly degrade their performance.

The acoustic characteristics of a Road Traffic Noise Reducing Device can deteriorate significantly over the duration of its working life if it is not installed or maintained in accordance with the manufacturer's recommendations, or if the materials are not appropriate for the roadside environment.

All elements in the construction of noise reducing devices should be resistant to electrolytic or/and chemical corrosion and embrittlement, be dimensionally stable and have generally a high ageing resistance in many differing conditions.

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