



BSI Standards Publication

Road traffic noise reducing devices — Test method for determining the acoustic performance

Part 1: Intrinsic characteristics of sound absorption

National foreword

This British Standard is the UK implementation of EN 1793-1:2012. It supersedes BS EN 1793-1:1998 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee B/509, Road equipment, to Subcommittee 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 - Test method for
determining the acoustic performance - Part 1: Intrinsic
characteristics of sound absorption**

Dispositifs de réduction du bruit du trafic routier - Méthode
d'essai pour la détermination de la performance acoustique
- Partie 1: Caractéristiques intrinsèques de l'absorption
acoustique

Lärmschutzvorrichtungen an Straßen - Prüfverfahren zur
Bestimmung der akustischen Eigenschaften - Teil 1:
Produktspezifische Merkmale der Schallabsorption

This European Standard was approved by CEN on 29 September 2012.

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Foreword

This document (EN 1793-1:2012) 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of an identical text or by endorsement, at the latest by May 2013, and conflicting national standards shall be withdrawn at the latest by March 2014.

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 1793-1:1997.

In the previous version of this European Standard, the basic test method was derived from EN 20354:1985; in the current version of this European Standard, the basic test method is derived from EN ISO 354:2003. This change is concerned with how to consider the sound attenuation in the air (see explanations under the last paragraph of the Introduction).

EN 1793-1 is part of a series and should be read in conjunction with the following:

- EN 1793-2, *Road traffic noise reducing devices — Test method for determining the acoustic performance — Part 2: Intrinsic characteristics of airborne sound insulation under diffuse sound field conditions*;
- EN 1793-3, *Road traffic noise reducing devices — Test method for determining the acoustic performance — Part 3: Normalized traffic noise spectrum*;
- CEN/TS 1793-4, *Road traffic noise reducing devices — Test method for determining the acoustic performance — Part 4: Intrinsic characteristics — In situ values of sound diffraction*;
- CEN/TS 1793-5, *Road traffic noise reducing devices — Test method for determining the acoustic performance — Part 5: Intrinsic characteristics — In situ values of sound reflection and airborne sound insulation*;
- EN 1793-6, *Road traffic noise reducing devices — Test method for determining the acoustic performance — Part 6: Intrinsic characteristics — In situ values of airborne sound insulation under direct sound field conditions*.

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