

English Version

Railway applications - Track - Noise barriers and related devices
acting on airborne sound propagation - Test method for
determining the acoustic performance - Part 2: Intrinsic
characteristics - Airborne sound insulation in the laboratory
under diffuse sound field conditions

Applications ferroviaires - Voie - Dispositifs de réduction du
bruit - Méthode d'essai pour la détermination des
performances acoustiques - Partie 2: Caractéristiques
intrinsèques - Isolation au bruit aérien en salle réverbérante
dans des conditions de champ acoustique diffus

Bahnanwendungen - Oberbau - Lärmschutzwände und
verwandte Vorrichtungen zur Beeinflussung der
Luftschallausbreitung - Prüfverfahren zur Bestimmung der
akustischen Eigenschaften - Teil 2: Produktspezifische
Merkmale - Luftschalldämmung (Labormethode) bei
diffusen Schallfeldern

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Foreword

This document (EN 16272-2:2012) has been prepared by Technical Committee CEN/TC 256 "Railway applications", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by April 2013, and conflicting national standards shall be withdrawn at the latest by April 2013.

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This European Standard is one of the series EN 16272 "Railway applications — Track — Noise barriers and related devices acting on airborne sound propagation — Test method for determining the acoustic performance" as listed below:

- *Part 1: Intrinsic characteristics — Sound absorption in the laboratory under diffuse sound field conditions*
- *Part 2: Intrinsic characteristics — Airborne sound insulation in the laboratory under diffuse sound field conditions*
- *Part 3-1: Normalised railway noise spectrum and single number ratings for diffuse field applications*
- *Part 3-2: Normalized railway noise spectrum and single number ratings for direct field applications ¹⁾*
- *Part 4: Intrinsic characteristics — In situ values of sound diffraction under direct sound field conditions ¹⁾*
- *Part 5: Intrinsic characteristics — In situ values of sound reflection under direct sound field conditions ²⁾*
- *Part 6: Intrinsic characteristics — In situ values of airborne sound insulation under direct sound field conditions ¹⁾*
- *Part 7: Extrinsic characteristics – In situ values of insertion loss ²⁾*

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1) In preparation.

2) This document has been prepared as a CEN Technical Specification and is in preparation.