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I.S. EN 1097-1:2011

Tests for mechanical and physical properties of aggregates - Part 1: Determination of the resistance to wear (micro-Deval)

I.S. EN 1097-1:2011

Incorporating amendments/corrigenda/National Annexes issued since publication:

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Údarás um Chaighdeáin Náisiúnta na hÉireann

English Version

Tests for mechanical and physical properties of aggregates - Part 1: Determination of the resistance to wear (micro-Deval)

Essais pour déterminer les caractéristiques mécaniques et
physiques des granulats - Partie 1: Détermination de la
résistance à l'usure (micro-Deval)

Prüfverfahren für mechanische und physikalische
Eigenschaften von Gesteinskörnungen - Teil 1:
Bestimmung des Widerstandes gegen Verschleiß (Micro-
Deval)

This European Standard was approved by CEN on 11 December 2010.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 1097-1:2011) has been prepared by Technical Committee CEN/TC 154 "Aggregates", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by July 2011, and conflicting national standards shall be withdrawn at the latest by July 2011.

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 replaces EN 1097-1:1996.

This standard forms part of a series of tests for mechanical and physical properties of aggregates. Test methods for other properties of aggregates will be covered by the following European Standards:

- EN 932 (all parts), *Tests for general properties of aggregates*;
- EN 933 (all parts), *Tests for geometrical properties of aggregates*;
- EN 1367 (all parts), *Tests for thermal and weathering properties of aggregates*;
- EN 1744 (all parts), *Tests for chemical properties of aggregates*;
- EN 13179 (all parts), *Tests for filler aggregate used in bituminous mixtures*.

The other Parts of EN 1097 will be:

- *Part 2: Methods for the determination of resistance to fragmentation*;
- *Part 3: Determination of loose bulk density and voids*;
- *Part 4: Determination of the voids of dry compacted filler*;
- *Part 5: Determination of the water content by drying in a ventilated oven*;
- *Part 6: Determination of particle density and water absorption*;
- *Part 7: Determination of the particle density of filler — Pyknometer method*;
- *Part 8: Determination of the polished stone value*;
- *Part 9: Determination of the resistance to wear by abrasion from studded tyres — Nordic test*;
- *Part 10: Determination of water suction height*.

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