

**AMENDMENT OF MALAYSIAN STANDARD
MALAYSIAN STANDARD
MS EN 12620:2010**

Aggregates for concrete (Second revision)

The attached amendment on MS EN 12620:2010 has been formally approved.

Date: 04/06/2012

Amd. 1

(1) To amend National Foreword as follow:

NATIONAL FOREWORD

This Malaysian Standard is a total adoption of EN Standard and was prepared by the Working Group on Revision of MS 29 under the authority of the Industry Standards Committee on Building, Construction and Civil Engineering.

This Malaysian Standard is the second revision of MS 29, *Specification of coarse and fine aggregates from natural sources*.

This Malaysian Standard is identical with EN 12620:2002 including its amendment A1:2008, *Aggregates for concrete*, published by the European Committee for Standardization (CEN) with the exceptions as listed below.

MALAYSIAN STANDARD EXCEPTIONS

- a) in the source text, "this European Standard" should read "this Malaysian Standard";
- b) the comma which is used as a decimal sign (if any), to read as a point;
- c) clause 5.4.2 *Resistance to abrasion from studded tyres* should be read as clause 5.4.3 *Resistance to abrasion from studded tyres*; and
- d) reference to EN Standards should be replaced by corresponding Malaysian Standards as follows:

Referenced EN Standards

Corresponding Malaysian Standards

EN 206-1, *Concrete - Part 1: Specification, performance, production and conformity*

MS 523: Part 1, *Concrete - Part 1: Specification, performance, production and conformity*

EN 196-2, *Methods of testing cement - Part 2: Chemical analysis of cement*

MS EN 196-2, *Methods of testing cement - Part 2: Chemical analysis of cement*

NATIONAL FOREWORD (continued)

Referenced EN Standards

EN 932-3, *Tests for general properties of aggregates - Part 3: Procedure and terminology for simplified petrographic description*

EN 932-5, *Tests for general properties of aggregates - Part 5: Common equipment and calibration*

EN 933-1, *Test for geometrical properties of aggregates - Part 1: Determination of particles size distribution - Sieving method*

EN 933-3, *Tests for geometrical properties of aggregates - Part 3: Determination of particle shape - Flakiness index*

EN 933-4, *Tests for geometrical properties of aggregates - Part 4: Determination of particle shape - Shape index*

EN 933-7, *Tests for geometrical properties of aggregates - Part 7: Determination of shelf content - Percentage of shells in coarse aggregates*

EN 933-8, *Tests for geometrical properties of aggregates - Part 8: Assessment of fines - Sand equivalent test*

EN 933-9, *Tests for geometrical properties of aggregates - Part 9: Assessment of fines - Methylene blue test*

EN 933-10, *Tests for geometrical properties of aggregates -Part 10: Assessment of fines -Grading of fillers (air jet sieving)*

prEN 933-11, *Tests for geometrical properties of aggregates - Part 11: Classification test for the constituents of coarse recycled aggregates*

EN 1097-1, *Tests for mechanical and physical properties of aggregates - Part 1: Determination of the resistance to wear (micro-Deval)*

EN 1097-2, *Tests for mechanical and physical properties of aggregates - Part 2: Methods for the determination of resistance to fragmentation*

Corresponding Malaysian Standards

MS EN 932-3, *Tests for general properties of aggregates - Part 3: Procedure and terminology for simplified petrographic description*

MS EN 932-5, *Tests for general properties of aggregates - Part 5: Common equipment and calibration*

MS EN 933-1, *Test for geometrical properties of aggregates - Part 1: Determination of particles size distribution - Sieving method*

MS EN 933-3, *Tests for geometrical properties of aggregates - Part 3: Determination of particle shape - Flakiness index*

MS EN 933-4, *Tests for geometrical properties of aggregates - Part 4: Determination of particle shape - Shape index*

MS EN 933-7, *Tests for geometrical properties of aggregates - Part 7: Determination of shelf content - Percentage of shells in coarse aggregates*

MS EN 933-8, *Tests for geometrical properties of aggregates - Part 8: Assessment of fines - Sand equivalent test*

MS EN 933-9, *Tests for geometrical properties of aggregates - Part 9: Assessment of fines - Methylene blue test*

MS EN 933-10, *Tests for geometrical properties of aggregates -Part 10: Assessment of fines -Grading of fillers (air jet sieving)*

MS EN 933-11, *Tests for geometrical properties of aggregates - Part 11: Classification test for the constituents of coarse recycled aggregates*

MS EN 1097-1, *Tests for mechanical and physical properties of aggregates - Part 1: Determination of the resistance to wear (micro-Deval)*

MS EN 1097-2, *Tests for mechanical and physical properties of aggregates - Part 2: Methods for the determination of resistance to fragmentation*

NATIONAL FOREWORD (*concluded*)

Referenced EN Standards

EN 1097-3, *Tests for mechanical and physical properties of aggregates - Part 3: Determination of loose bulk density and voids*

EN 1097-6, *Tests for mechanical and physical properties of aggregates - Part 6: Determination of particle density and water absorption*

EN 1097-8, *Tests for mechanical and physical properties of aggregates - Part 8: Determination of the polished stone value*

EN 1097-9, *Tests for mechanical and physical properties of aggregates - Part 9: Determination of the resistance to wear by abrasion from studded tyres - Nordic test*

EN 1367-1, *Tests for thermal and weathering properties of aggregates - Part 1: Determination of resistance to freezing and thawing*

EN 1367-2, *Tests for thermal and weathering properties of aggregates - Part 2: Magnesium sulfate test*

EN 1367-4, *Tests for thermal and weathering properties of aggregates - Part 4: Determination of drying shrinkage*

EN 1744-1, *Tests for chemical properties of aggregates - Part 1: Chemical analysis*

EN 1744-5, *Tests for chemical properties of aggregates - Part 5: Determination of acid soluble chloride salts*

EN 1744-6, *Tests for chemical properties of aggregates - Part 6: Determination of the influence of recycled aggregate extract on the initial setting time of cement*

Corresponding Malaysian Standards

MS EN 1097-3, *Tests for mechanical and physical properties of aggregates - Part 3: Determination of loose bulk density and voids*

MS EN 1097-6, *Tests for mechanical and physical properties of aggregates - Part 6: Determination of particle density and water absorption*

MS EN 1097-8, *Tests for mechanical and physical properties of aggregates - Part 8: Determination of the polished stone value*

MS EN 1097-9, *Tests for mechanical and physical properties of aggregates - Part 9: Determination of the resistance to wear by abrasion from studded tyres - Nordic test*

MS EN 1367-1, *Tests for thermal and weathering properties of aggregates - Part 1: Determination of resistance to freezing and thawing*

MS EN 1367-2, *Tests for thermal and weathering properties of aggregates - Part 2: Magnesium sulfate test*

MS EN 1367-4, *Tests for thermal and weathering properties of aggregates - Part 4: Determination of drying shrinkage*

MS EN 1744-1, *Tests for chemical properties of aggregates - Part 1: Chemical analysis*

MS EN 1744-5, *Tests for chemical properties of aggregates - Part 5: Determination of acid soluble chloride salts*

MS EN 1744-6, *Tests for chemical properties of aggregates - Part 6: Determination of the influence of recycled aggregate extract on the initial setting time of cement*

It is recommended to read MS EN 12620 and MS EN test methods together with PD 6682-1:2003, *Aggregates - Part 1: Aggregates for concrete - Guidance on the use of BS EN 12620*.

The adoption of the EN standard is in line with the industry's transition to EN Standards.

This standard is published with the permission of the European Committee for Standardization. Such permission is hereby acknowledged.

This Malaysian Standard cancels and replaces MS 29:1995.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

Preview Only