



Aggregates and rock for engineering purposes

Part 0: Definitions and classification



This Australian Standard® was prepared by Committee CE-012, Aggregates and Rock for Engineering Purposes. It was approved on behalf of the Council of Standards Australia on 18 May 2009.

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- ARRB Transport Research
 - AUSTROADS
 - Australasian Slag Association
 - Australian Asphalt Pavement Association
 - Australian Chamber of Commerce and Industry
 - Australian Geomechanics Society
 - Bureau of Steel Manufacturers of Australia
 - Cement Concrete and Aggregates Australia
 - Engineering and Construction Laboratories Association
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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Australian Standard[®]

**Aggregates and rock for engineering
purposes**

Part 0: Definitions and classification

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PREFACE

This Standard was prepared by the Standards Australia Committee CE-012, Aggregates and Rock for Engineering Purposes.

This Standard incorporates Amendment No. 1 (April 2016). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

This Standard is part of a series that covers specification of aggregate and rock. The other parts are as follows:

AS

- 2758 Aggregates and rock for engineering purposes
- 2758.0 Part 0: Definitions and classification (this Standard)
- 2758.1 Part 1: Concrete aggregates
- 2758.2 Part 2: Aggregate for sprayed bituminous surfacing
- 2758.4 Part 4: Aggregate for gabion baskets and wire mattresses
- 2758.5 Part 5: Asphalt aggregates
- 2758.6 Part 6: Guidelines for the specification of armourstone
- 2758.7 Part 7: Railway ballast

This objective of this Standard is to present in one document the definitions and information and guidance applicable to AS 2758 series of Standards, *Aggregates and rock for engineering purposes*.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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STANDARDS AUSTRALIA

Australian Standard**Aggregates and rock for engineering purposes**

Part 0: Definitions and classification

1 SCOPE

This Standard sets out essential definitions for aggregate specifications.

NOTES:

- 1 Guidance on typical sampling is given in Appendix A.
- 2 Information on aggregate composition, shape and texture is given in Appendix B.
- 3 Recommended limits for establishing unsound stone are given in Appendix C.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

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|-----------|--|
| 1141 | Methods for sampling and testing aggregates |
| 1141.3 | Method 3: Methods for sampling and testing aggregates—Sampling of aggregates and rock |
| 1141.14 | Method 14: Particle shape, by proportional caliper |
| 1141.15 | Method 15: Methods for sampling and testing aggregates—Flakiness index |
| 1141.16 | Method 16: Methods for sampling and testing aggregates—Angularity number |
| 1141.20.1 | Method 20.1: Methods for sampling and testing aggregates—Average least dimension—Direct measurement (nominal size 10 mm and greater) |
| 1141.20.2 | Method 20.2: Methods for sampling and testing aggregates—Average least dimension—Direct measurement (nominal sizes 5 mm and 7 mm) |
| 1141.20.3 | Method 20.3: Methods for sampling and testing aggregates—Average least dimension—Calculation (nomograph) |
| 1141.25.1 | Method 25.1: Methods for sampling and testing aggregates—Degradation factor—Source rock |
| 1141.26 | Method 26: Methods for sampling and testing aggregates—Secondary minerals content in igneous rocks |
| 1141.28 | Method 28: Methods for sampling and testing aggregates—Ball mill value |
| 1141.29 | Method 29: Methods for sampling and testing aggregates—Accelerated soundness index by reflux |
| 1141.30.1 | Method 30.1: Methods for sampling and testing of aggregates—Coarse aggregate quality by visual comparison |
| 1726 | Geotechnical site investigations |

ASTM

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| C295 | Standard Guide for Petrographic Examination of Aggregates for Concrete Aggregates |
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