

AS 2758.0:2020



Aggregates and rock for engineering purposes

Part 0: Glossary and general series information



AS 2758.0:2020

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The following are represented on Committee CE-012:

- Ash Development Association of Australia
- Australasian (iron & steel) Slag Association
- Australasian Procurement and Construction Council
- Australian Asphalt Pavement Association
- Australian Geomechanics Society
- Australian Road Research Board
- Austroroads
- Cement Concrete & Aggregates Australia — Aggregates
- Cement Concrete & Aggregates Australia — Cement
- Cement Concrete & Aggregates Australia — Concrete
- National Association of Testing Authorities Australia
- University of Technology Sydney

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Preface

This Standard was prepared by the Standards Australia Committee CE-012, Aggregates and Rock for Engineering Purposes, to supersede AS 2758.0—2009, *Aggregates and rock for engineering purposes, Part 0: Definitions and classification*.

This document is part of a series that covers specification of aggregate and rock. A list of all parts in this series can be found in the Standards Australia online catalogue.

The objective of this document is to provide terms, definitions, information and guidance applicable to the entire AS 2758 series.

The major changes in this edition are as follows:

- (a) Inclusion of additional terms and definitions.
- (b) Replacement of tables for rock classification with reference to AS 1726.

The terms “normative” and “informative” are used in Standards to define the application of the appendices to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is only for information and guidance.

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Australian Standard®

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1 Scope

This document sets out essential definitions for aggregates used throughout the AS 2758 *Aggregate and rock for engineering purposes* series. The document includes a number of informative appendices that may assist in naming rock types and their appearance when crushed. A scheme for identifying unsound stone is appended which may be used if no alternate scheme is provided in contractual documents. Similarly, a sampling scheme is suggested if no sampling scheme for aggregate supply has been included in contract documents.

NOTE 1 Guidance on typical sampling is given in [Appendix A](#).

NOTE 2 Information on aggregate naming, shape and texture is given in [Appendix B](#).

NOTE 3 Recommended limits for establishing unsound stone are given in [Appendix C](#).

2 Normative references

There are no normative references in this document.

NOTE Documents referenced for informative purposes are listed in the Bibliography.

3 Terms and definitions

For the purposes of this series, the following terms and definitions apply.

3.1

aggregate

granular material produced from crushed rock, gravel, sand, metallurgical slag or reclaimed material, used in in civil construction products and engineering works

3.1.1

coarse aggregate

aggregate in which the majority of particles are retained on a 4.75 mm AS sieve

3.1.2

fine aggregate

aggregate, formed naturally in sand deposits or purpose-made by crushing and processing, in which the majority of particles pass a 4.75 mm AS sieve

Note 1 to entry: Purpose-made aggregate is known as manufactured sand.

3.1.3

graded aggregate

aggregate in which more than 15 % (by mass) of the total material is retained on at least each of three consecutive sieve sizes in a set

Note 1 to entry: The typical sieve set used in Australia includes sieves with the following aperture sizes: 75.0 mm, 53.0 mm, 37.5 mm, 26.5 mm, 19.0 mm, 13.2 mm, 9.50 mm, 6.70 mm, 4.75 mm, 2.36 mm, 0.600 mm and 0.075 mm. This selection of sieves is approximately a quarter series.

Note 2 to entry: Crushed rock that consists of a mixture of fine and coarse aggregates, the coarse fraction being graded, is considered a graded aggregate for the purpose of the AS 1141 series.