

AS 2758.2:2021



Aggregates and rock for engineering purposes

Part 2: Specification for sealing aggregate



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- Ash Development Association of Australia
- Australasian Procurement and Construction Council
- Australasian Slag Association
- Australian Flexible Pavement Association
- Australian Road Research Board
- Austrroads
- Cement Concrete & Aggregates Australia — Aggregates
- Cement Concrete & Aggregates Australia — Cement
- Cement Concrete & Aggregates Australia — Concrete
- Engineers Australia / Australian Geomechanics Society
- National Association of Testing Authorities Australia
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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 2758.2:2009, *Aggregates and rock for engineering purposes, Part 2: Specification for sealing aggregate*.

This document is part of the AS 2758 series that covers specification for aggregates and rock for engineering purposes. 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 a basis for specifying the properties and test procedures for coarse aggregates intended for use in sprayed bituminous surfacing.

Major changes in this edition of the document are:

- (a) Removal of the Application clause.
- (b) Inclusion of an Introduction.
- (c) All terms now defined in AS 2758.0.

The terms “normative” and “informative” are used in Standards to define the application of the appendices to which they apply. An “informative” appendix is only for information and guidance.

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Introduction

This document nominates a series of test procedures and limits to be used in different geographic areas of Australia. The procedures and limits have proved suitable for specifying aggregates for use in sprayed seal applications in roadworks up to and including major highways.

This document should be used in combination with a works specification or a supply agreement or both for contract purposes. It should not be used on its own in order to control a works project or the supply of aggregate materials.

It is recommended that aggregates supplied using this document are also supplied under a quality management system such as the AS/NZS ISO 9001 series.

Although the tests and limits specified in this document are considered adequate for most applications, the works specification for individual projects may include different tests or limits (which may be from Australian Standards or other appropriate Standards). For contractual purposes, it is the works specification and the supply agreement that are binding.

Testing frequencies are not specified in this document as they vary dependent upon the importance of the work, the perceived variability of the source or sources, and the likelihood of specification non-compliance among other factors. It is usual that the testing frequency is specified in either the works specification or the supply agreement or both. However, in the event that a frequency is not nominated, the testing frequency listed in either the supplier's quality system documentation or AS 2758.0:2020 Appendix A may be used.

Where a contract document uses terms such as "material conforming to AS 2758.2" without providing a works specification or supply agreement and attempts to obtain such information have been exhausted, material would be deemed to satisfy the requirements of this document if data are provided showing that the material conforms to [Clauses 5 to 10](#) using one shape method and one durability set option.

Australian Standard®

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1 Scope

This document provides a basis for specifying requirements for aggregates intended for use in sprayed bituminous surfacing. The requirements relate to quality of rock and other properties of coarse aggregate. A coarse aggregate may be produced from rock, gravel, metallurgical slag or suitable synthetic materials.

This document is intended for use by —

- (a) federal, state and local government authorities (whether or not they are specifiers);
- (b) consultant engineers (whether specifiers or not);
- (c) suppliers and purchasers of asphalt aggregates;
- (d) testing authorities;
- (e) quality system certifiers and accreditation authorities; and
- (f) educational organisations.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document.

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

AS 1141.3.1, *Methods for sampling and testing aggregates, Method 3.1: Sampling—Aggregates*

AS 1141.11.1, *Methods for sampling and testing aggregates, Method 11.1: Particle size distribution — Sieving method*

AS 1141.11.2, *Methods for sampling and testing aggregates, Method 11.2: Particle size distribution for vision sizing systems*

AS 1141.14, *Methods for sampling and testing aggregates, Method 14: Particle shape, by proportional calliper*

AS 1141.15, *Methods for sampling and testing aggregates, Method 15: Flakiness index*

AS 1141.18, *Methods for sampling and testing aggregates, Method 18: Crushed particles in coarse aggregate derived from gravel*

AS 1141.20.1, *Methods for sampling and testing aggregates, Method 20.1: Average least dimension—Direct measurement (nominal size 10 mm and greater)*

AS 1141.20.2, *Methods for sampling and testing aggregates, Method 20.2: Average least dimension—Direct measurement (nominal sizes 5 mm and 7 mm)*

AS 1141.20.3, *Methods for sampling and testing aggregates, Method 20.3: Average least dimension—Calculation (nomograph)*

AS 1141.22, *Methods for sampling and testing aggregates, Method 22: Wet/dry strength variation*

AS 1141.23, *Methods for sampling and testing aggregates, Method 23: Los Angeles value*