

Australian Standard[®]

**Aggregates and rock for engineering
purposes**

**Part 2: Aggregate for sprayed
bituminous surfacing**

STANDARDS
Australia



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 6 March 2009.

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The following are represented on Committee CE-012:

- ARRB Transport Research
 - AUSTROADS
 - Australasian Railway Association
 - 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
 - Institute of Quarrying Australia
 - National Association of Testing Authorities Australia
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Aggregates and rock for engineering purposes

Part 2: Aggregate for sprayed bituminous surfacing

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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—1996.

This Standard is part of a series that covers specification for aggregates and rock for engineering purposes, as follows:

AS

- 2758 Aggregates and rock for engineering purposes
- 2758.0 Part 0: Definitions and classification
- 2758.1 Part 1: Concrete aggregates
- 2758.2 Part 2: Aggregate for sprayed bituminous surfacing (this Standard)
- 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

The objective of this Standard is to provide a basis for specifying requirements for aggregates intended for use in sprayed bituminous surfacing.

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 2: Aggregate for sprayed bituminous surfacing

1 SCOPE

This Standard 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.

2 APPLICATION

This Standard cannot be used on its own as a works specification for contract purposes. While a number of the requirements nominated in this Standard are basic, the specifier shall make a selection from the options available in this Standard, or from alternative test methods and limits (which may be from Australian Standards or other appropriate Standards) for incorporation into a works specification.

The basic requirements for all surfacing aggregates are prescribed in Clauses 8 to 12. Alternatives are given for the assessment of both strength and durability. However, only one alternative shall be specified for each property.

The selection of test procedures and test limits where alternatives are provided, and the frequency at which individual tests are required, shall be determined by the individual works specification.

The works specification should specify all the tests appropriate to the source rock or the tender samples, or both, but the whole range of tests is not necessarily applied to control acceptance of the product during the performance of a contract.

For contractual purposes it is the works specification which is binding.

The case may arise where a contract document uses terms such as 'material complying with AS 2758.2' without providing a works specification. In such a case, the supplier shall attempt to obtain further details from the purchaser. In the absence of a works specification, material will be deemed to comply with AS 2758.2 if the supplier operates a quality system certified to AS/NZS ISO 9000 and can provide test data from a laboratory accredited to AS ISO/IEC 17025 showing that material to be supplied fulfils the requirements of Clauses 8 to 11 of this Standard. If the durability requirements of Clauses 9.3 or 9.4 are adopted, the material shall meet the requirements of Class B.

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
1141	Methods for sampling and testing aggregates
1141.3.1	Method 3.1: Sampling—Aggregates
1141.3.2	Method 3.2: Sampling—Rock spalls, boulders and drill core
1141.11.1	Method 11.1: Particle size distribution—Sieving method
1411.11.2	Method 11.2: Particle size distribution for vision sizing systems
1141.14	Method 14: Particle shape, by proportional calliper