

Australian Standard™

**Aggregates and rock for engineering
purposes**

**Part 4: Aggregate for gabion baskets
and wire mattresses**

This Australian Standard was prepared by Committee CE/12, Specifications. It was approved on behalf of the Council of Standards Australia on 2 June 2000 and published on 21 August 2000.

The following interests are represented on Committee CE/12:

Association of Consulting Engineers Australia
Australian Asphalt Pavement Association
Australian Road Research Board
Bureau of Steel Manufacturers of Australia
Confederation of Australian Industry
Council of the City of Sydney
Crushed Stone Association of Australia
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This Standard was issued in draft form for comment as DR 99113.

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First published as AS 2758.4—2000.

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Published by Standards Australia International Ltd
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 3205 4

PREFACE

This Standard was prepared by the Standards Australia Committee CE/12, Aggregate and Rock for Engineering Purposes.

This Standard is part of the AS 2758 series of Standards, which cover the specification of rocks and aggregates for engineering purposes. The other Parts are as follows:

- Part 1: Concrete aggregates
- Part 2: Sprayed bituminous surfaces
- Part 5: Asphalt aggregates
- Part 7: Railway ballast

The objective of this Standard is to provide users and specifiers of aggregate with a basis for specifying requirements for aggregates intended for use in gabion wire baskets and wire mattresses.

This Standard covers regional differences in environment, materials and practice and provision has been made to allow, in the works specification, for changes to some limits and procedures. There are materials that do not comply with this Standard but have proven to be satisfactory in service. Such materials should be supplied under a works specification only, without reference to this Standard.

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

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STANDARDS AUSTRALIA

Australian Standard

Aggregates and rock for engineering purposes

Part 4: Aggregate for gabion baskets and wire mattresses

1 SCOPE

This Standard provides a basis for specifying requirements for aggregates intended for use in gabion baskets and wire mattresses. The requirements relate to quality of rock and other properties of coarse aggregate. A coarse aggregate may be produced from rock, gravel, metallurgical slag, recycled material or suitable synthetic materials.

2 APPLICATION

This Standard shall be used in conjunction with 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 aggregates are given in Clauses 7 to 9.

The selection of test procedures and test limits, 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. The whole range of tests should not be applied to control acceptance of the product during the performance of a contract.

For contractual purposes, the works specification is binding.

In some cases a contract document uses terms such as 'material complying with AS 2758.4', without providing a works specification. In such instances, the supplier shall attempt to obtain further details from the purchaser. In the continued absence of a works specification, material will be deemed to comply with this Standard if the supplier operates a quality system complying with AS/NZS ISO 9002 and can provide test data from a laboratory accredited to SAA HB18.25 showing that material to be supplied fulfils the requirements of Clauses 7 to 9 of this Standard

3 REFERENCED DOCUMENTS

AS

- 1141 Methods for sampling and testing aggregates
- 1141.3.1 Method 3.1: Sampling — Aggregates
- 1141.3.2 Method 3.2: Sampling — Rocks spalls, boulders and drill cores
- 1141.14 Method 14: Particle shape, by proportional calliper
- 1141.22 Method 22: Wet/dry strength variation
- 1141.23 Method 23: Los Angeles value
- 1141.25 Method 25: Degradation factor
- 1141.26 Method 26: Secondary minerals content in basic igneous rocks
- 1141.30 Method 30: Coarse aggregate quality by visual comparison
- 1141.32 Method 32: Weak particles (including clay lumps, soft and friable particles) in coarse aggregates