

AS 1141.18:2022



STANDARDS
Australia



Methods for sampling and testing aggregates

Method 18: Crushed particles in coarse aggregate derived from gravel



AS 1141.18:2022

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- Australasian Procurement and Construction Council
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- 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 1141.18—1996.

The objective of this document is to define the method for determining the percentage by mass of crushed and uncrushed particles in aggregate derived from rounded gravel.

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NOTES

Australian Standard®

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1 Scope

This document sets out the method for determining the percentage by mass of crushed and uncrushed particles in aggregate derived from rounded gravel.

The test depends on visual assessment and is limited to particles retained on a 6.70 mm sieve.

2 Normative references

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

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

AS 1141.2, *Methods for sampling and testing aggregates, Method 2: Basic testing equipment*

3 Terms and definitions

For the purposes of this document the definitions in AS 1141.1 and those below apply.

3.1

crushed particle

particle which exhibits two or more *fractured faces* (3.2), the combined surface area of which is judged to be about one half or more of the total surface area of the particle

3.2

fractured face

face on a particle produced by mechanical crushing or grinding

3.3

may

indicates the existence of an option

3.4

non-crushed particle

particle which does not conform to the definition of a *crushed particle* (3.1), i.e. has less fractured face area than a crushed particle but is not an *uncrushed particle* (3.7)

3.5

shall

indicates that a statement is mandatory

3.6

should

indicates a recommendation

3.7

uncrushed particle

particle which has no *fractured faces* (3.2)