

AS 1141.18:2022



STANDARDS
Australia



Methods for sampling and testing aggregates

Method 18: Crushed particles in coarse aggregate derived from gravel



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AS 1141.18:2022

This Australian Standard ® was prepared by CE-012, Aggregates and Rock for Engineering Purposes. It was approved on behalf of the Council of Standards Australia on 04 February 2022.

This Standard was published on 25 February 2022.

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This Standard was issued in draft form for comment as DR AS 1141.18:2021.

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ISBN 978 1 76113 662 7

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Method 18: Crushed particles in coarse aggregate derived from gravel

Origin: test methods AS 1141.18—1996.
Second edition AS 1141.18:2022.

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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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Australian Standard®

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Method 18: Crushed particles in coarse aggregate derived from gravel

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)