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## AS 2331.2.1-2001 (R2017) Methods of test for metallic and related coatings - Method 2.1: Local thickness tests - Tests for average coating mass per unit area or for thickness - Dissolution methods - Strip and weigh and analytical

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Abbreviation

AS 2331.2.1-2001

Valid from

17/07/2001

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Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

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PDF

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Cited By

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Description

This Standard sets out the following three methods for the determination of the average mass or thickness of metallic coatings on small items:

- (a) Method A - Strip and weigh (dissolution of coating).
- (b) Method B - Strip and weigh (dissolution of basis metal).
- (c) Method C - Analytical.

Scope

These methods are suitable for measuring the average thickness, or mass, of coatings on small items where it is impracticable to measure the local thickness as described in AS 2331.1.1, AS 2331.1.2, AS 2331.1.3 or AS 2331.1.4.

The methods are suitable for routine control purposes where a more critical local thickness measurement is not required. The methods are capable of an accuracy of 5%. The methods are generally limited to items or a collection of items that weigh not more than 200 g.

Note: The test procedures described in this Standard do not necessarily include all of the precautions required to satisfy health and safety aspects. Care should be taken to ensure that the procedures are carried out only by people who have received suitable training. Guidance in the handling and use of hazardous chemicals is given in AS/NZS 2243.1 and AS/NZS 2243.2.

For assistance with locating previous versions, please contact the information provider.

Notes/comments

Standard reconfirmed on 20 March 2017.

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This document is CITED BY:

- [AS 1214-1983](#)

AS 2331.2.1-2001 is cited by AS 1214-1983 Hot-dip galvanised coatings on threaded fasteners (ISO metric coarse thread series)

- [AS 1397-2011](#)

AS 2331.2.1-2001 is cited by AS 1397-2011 Continuous hot-dip metallic coated steel sheet and strip - Coatings of zinc and zinc alloyed with aluminium and magnesium

- [AS/NZS 2699.3:2002](#)

AS 2331.2.1-2001 is cited by AS/NZS 2699.3:2002 Built-in components for masonry construction - Lintels and shelf angles (durability requirements)

- [AS/NZS 4680:2006](#)

AS 2331.2.1-2001 is cited by AS/NZS 4680:2006 (R2017) Hot-dip galvanised (zinc) coatings on fabricated ferrous articles

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- (a) Method A - Strip and weigh (dissolution of coating).
- (b) Method B - Strip and weigh (dissolution of basis metal).
- (c) Method C - Analytical.

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This Standard sets out the following three methods for the determination of the average mass or thickness of metallic coatings on small items:

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