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AS 2331.1.1-2001 (R2017) Methods of test for metallic and related coatings - Method 1.1: Local thickness tests - Micrographic examination of cross-sections

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Abbreviation

AS 2331.1.1:2001

Valid from

19/06/2001

Information provider

SAI Global

Author

Standard Australia

Information type

Australian Standard

Format

PDF

Cited By

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Description

This Standard specifies a method for the measurement of the local thickness of metallic coatings, oxide layers, and porcelain or vitreous enamel coatings, by the microscopical examination of cross-sections using an optical microscope.

Scope

This Standard does not apply to paint coatings. Test methods for paint and related coatings are specified in the AS/NZS 1580 series of Standards.

Under good conditions, when using an optical microscope, the method is capable of giving an absolute measuring accuracy of 0.8 mm; this will determine the suitability of the method for measuring the thickness of thin coatings.

Notes:

1. 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.
2. Factors relating to measuring accuracy are given in Appendix A

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Notes/comments

Standard reconfirmed 20 March 2017

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