

STANDARDS AUSTRALIA

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RECONFIRMATION

OF

AS 2331.3.1—2001

Methods of test for metallic and related coatings

Method 3.1: Corrosion and related property tests—Neutral salt spray test  
(NSS test)

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RECONFIRMATION NOTICE

Technical Committee MT-009 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 20 March 2017.

The following are represented on Technical Committee MT-009:

Australasian Institute of Surface Finishers  
Australian Chamber of Commerce and Industry  
Australian Industry Group  
Australian Steel Institute  
Bureau of Steel Manufacturers of Australia  
Galvanizers Association of Australia  
Galvanizing Association of New Zealand  
New Zealand Metal Roofing Manufacturers

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## Methods of test for metallic and related coatings

### Method 3.1: Corrosion and related property tests—Neutral salt spray test (NSS test)

AS 2331.3.1

#### PREFACE

This Standard has been prepared by the Joint Standards Australia/Standards New Zealand Committee MT-009, Metal Finishing, to supersede AS 2331.3.1—1980. It is the result of a consensus among representatives on the Joint Committee to produce it as an Australian Standard. The objective of this revision is to upgrade the requirements so that they closely align with the relevant part of ISO 9227:1990, *Corrosion tests in artificial atmospheres—Salt spray tests*. This ISO Standard, which covers three salt spray test methods, was not adopted because Committee MT-009 considered that each method should be the subject of a separate Standard, i.e. AS 2331.3.1, AS 2331.3.2 and AS 2331.3.3.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

#### METHOD

##### 1 SCOPE

This Standard sets out the method for the neutral salt spray (NSS) test for the assessment of corrosion resistance of inorganic and organic coatings on metallic substrates.

##### NOTES:

- 1 The method does not specify the type of test item, the exposure period or the assessment criteria. Such details are normally specified in the relevant product Standard or determined by agreement between the purchaser and the supplier.
- 2 It is important that the results obtained from the test are not regarded as having a direct correlation with environments in which items may be exposed in service or as indicating the relative corrosion resistance of different coatings.
- 3 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 test 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 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

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| 1247 | Metallic coatings—Coatings other than those anodic to the basis metal—Accelerated corrosion tests—Method for the evaluation of the results |
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