

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**RECONFIRMATION**

**OF**

**AS/NZS 1580.205.4:1998**

**Paints and related materials—Methods of test  
Method 205.4: Application properties - Airless spraying**

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**RECONFIRMATION NOTICE**

Technical Committee CH-003 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 30 May 2013.

Approved for reconfirmation in New Zealand on behalf of the Standards Council of New Zealand on 26 August 2013.

The following are represented on Technical Committee CH-003:

Australasian Corrosion Association  
Australian Paint Approval Scheme  
Australian Paint Manufacturers' Federation  
Australian Pipeline Industry Association  
Institution of Professional Engineers New Zealand  
Master Painters New Zealand Association  
Water Corporation Western Australia

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## NOTES

# Australian/New Zealand Standard™

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## Paints and related materials—Methods of test

### Method 205.4: Application properties—Airless spraying

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#### PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CH/3, Paints and Related Materials, to supersede AS 1580.205.4—1992.

Although substantially the same as the previous edition, the test method has been rewritten and contains additional advice.

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#### METHOD

**1 SCOPE** This Standard sets out a procedure for determining the suitability of a paint for application by airless spraying. It provides for the assessment of defects observed during and after application of the paint.

**2 REFERENCED DOCUMENTS** The following documents are referred to in this Standard:

AS

- 1580 Paints and related materials—Methods of test
- 1580.101.4 Method 101.4: Conditions of test, temperature controlled
- 1580.102.1 Method 102.1: Sampling procedure
- 1580.107.3 Method 107.3: Determination of wet film thickness by wheel gauge
- 1580.603.1 Method 603.1: Finish

AS/NZS

- 1580.103.1 Method 103.1: Examination and preparation of samples for testing

**3 DEFINITION** For the purposes of this Standard the definition below applies.

**3.1 Airless spraying**—application of paint by means of equipment consisting of fluid pump, hose and spray nozzle to produce atomization of the paint without the use of compressed air or other propellant.

NOTE: Airless spray equipment may include airmix, air-assisted or dual component equipment and may also apply to application at elevated temperature.

**4 PRINCIPLE** A test panel is prepared with one or more coats of paint using airless spray equipment. During application and upon drying, the paint film is examined for defects to assess whether the paint is suitable for application using airless spray.