

Australian Standard™

**Paints and related materials—Methods
of test**

Part 0: Introduction and list of methods



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The following are represented on Committee CH-003:

AUSTROADS

Australian Paint Approval Scheme

Australian Paint Manufacturers Federation

Master Painters Australia

National Association of Testing Authorities Australia

Surface Coatings Association Australia

Telstra Corporation

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STANDARDS AUSTRALIA

Australian Standard

Paints and related materials—Methods of test

Part 0: Introduction and list of methods

GENERAL INTRODUCTION

The AS 1580 series of Standards deals with methods for testing paints and related materials. It includes documents that describe test conditions, sampling procedures and provides guidance on the applicability of the methods. The methods are intended primarily to test materials and establish compliance with relevant Australian Standards or other specifications, however they are also appropriate for general laboratory use and for investigational purposes. The methods may be used in appropriate specifications in an Australian Standard, The Australian Paint Approval Scheme or other contractually related document.

To facilitate information retrieval, the methods are grouped as follows:

Method No.	Description of grouping
1580.100	Test conditions, preparative procedures, film thickness determinations
1580.200	Liquid products—Determination of physical properties
1580.300	Liquid products—Determination of composition by physical methods
1580.400	Cured coatings—Performance by mechanical testing
1580.450	Cured coatings—Performance by durability testing
1580.500	General products—Determination of composition by chemical methods
1580.600	Cured coatings—Determination of visual properties, e.g., colour, gloss, finish

Methods that determine a specific property of a material, or the same property for different materials, are differentiated by a further level of decimal number in the method number.

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Method No.	Date	Title
101.1	1999	Temperature, humidity and airflow control
101.3	2002	Standard procedure for stoving
101.4	1999	Conditions of test, temperature control
101.5	1999	Conditions of test, temperature and humidity control
102.1	2002	Sampling procedure
102.2	1995	In-process sampling
103.1	1995	Examination and preparation of samples for testing
104.1	2000	Recommended materials for test panels
105.1	2002	Pretreatment of metal test panels—Solvent cleaning

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106.1	1995	Preparation of timber test panels for outdoor weathering test
107.1	1992	Determination of wet film thickness from dry film mass
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107.3	1997	Determination of wet film thickness by gauge
107.8	1995	Application of paint at a nominated spreading rate by determination of wet film mass (brush application)
108.1	1994	Determination of dry film thickness on metallic substrates—Non-destructive methods
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214.3	2003	Viscosity—Cone-and-plate
214.4	1996	Consistency—Rotothinner
214.5	1997	Consistency—Rotational viscometer
214.6	1995	Consistency—ISO flow cups
301.1	1992	Non-volatile content by mass
301.2	1990	Non-volatile content by volume (volume solids)
302.1	1993	Pigment content
401.1	1999	Surface dry condition
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401.6	2002	Hard dry condition (mechanical thumb test)

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407.2	1993	Heat resistance—Thermal shock
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