

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION
OF
AS/NZS 1580.214.2:1996
Paints and related materials—Methods of test
Method 214.2: Consistency—Flow cup

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

NOTES

Australian/New Zealand Standard®

Paints and related materials—Methods of test

Method 1580.214.4: Consistency—Rotothinner

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CH/3 on Paints and Related Materials as a revision of AS 1580.214.4—1990.

The objective of this Standard is to specify a method for determining consistency using a rotothinner-type instrument. This Standard differs from the previous edition in that a different thermometer is specified, the procedure wording has been modified and a 5 percent variation in viscosity is permitted for the performance check in Appendix A.

The term ‘normative’ has been used in this Standard to define the application of the appendix. A ‘normative’ appendix is an integral part of a Standard.

METHOD

1 SCOPE This Standard sets out a method of determining the consistency of paints by means of a rotothinner.

NOTE: The suitability and applicability of this method are discussed in AS/NZS 1580.214.0.

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

AS

2850 Chemical analysis—Interlaboratory test programs—For determining precision of analytical method(s)—Guide to the planning and conduct

AS/NZS

1580 Paints and related materials—Methods of test

1580.214.0 Part 214.0: Rheological properties—Guide to test methods

3 PRINCIPLE A disc-shaped stirrer with angled holes is used to generate a measurable torque in a paint sample. (See Figure 1.)

4 APPARATUS

4.1 Rotothinner—a suitable rotothinner with an appropriate scale range (G), as shown in Figure 2.

4.2 Container—a cylindrical can (C), of approximately 250 mL capacity.

4.3 Measuring table—a measuring table (D) designed so that the can does not rotate relative to the table during the test.

NOTE: The torque-measuring table (D) is magnetic and therefore a container made of ferromagnetic material should be used.