

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS 1580.461.1:1995

Paints and related materials—Methods of test

Method 461.1: Determination of resistance to yellowing (dark chamber)

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®

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PREFACE

This Standard was prepared by the Joint Australian/New Zealand Standards Committee CH/3 on Paints and Related Materials to revise the 1977 edition of AS 1580.461.1.

This method is based on AS 1580.461.1—1977 but has been reformatted and now specifies the use of Illuminant D₆₅ and the 10° Observer. As the previous edition utilized tristimulus values obtained for Illuminant C and the 2° Observer, the equation for the calculation of the yellowness index in Method A has been adjusted. It also includes a factor of 100 to allow the calculated index to be more readily compared with results from other international test methods. References to the ‘Colormaster’ colormeter and the use of red, green and blue reflectances have been deleted.

METHOD

1 SCOPE This method describes procedures for assessing the yellowing characteristics of white and pale coloured paints. It provides for either instrumental measurement or visual assessment of the yellowing of the paint under test.

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

AS

- 1580 Paints and related materials—Methods of test
- 1580.101.1 Method 101.1: Air drying conditions
- 1580.101.4 Method 101.4: Conditions of test, temperature controlled
- 1580.104.1 Method 104.1: Recommended materials for test panels
- 1580.601.2 Method 601.2: Colour—Principles of colour measurement
- 1580.601.3 Method 601.3: Colour—Methods of colour measurement
- 4004 Lighting booths for visual assessment of colour and colour matching

ISO

- 105 Textile—Tests for colour fastness
- 105-A03 Part A03: Grey scale for assessing staining

ISO/CIE

- 10526 CIE standard colorimetric illuminants
- 10527 CIE standard colorimetric observers