

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS 1580.481.1.6:1998

Paints and related materials—Methods of test

Method 481.1.6: Coatings—Exposed to weathering—Degree of erosion

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 Standards Australia/Standards New Zealand Committee CH/3, Paints and Related Materials, to supersede AS 1580.481.1.6—1991, following a review and rationalization of the AS 1580.481.1 series of Standards.

METHOD

1 SCOPE This Standard describes two methods for assessing the degree of erosion of a test film that has been exposed to weathering. These are as follows:

- (a) Method A—determination of the decrease in film thickness on a metal test panel as a percentage of the original dry film thickness; or
- (b) Method B—a visual examination to check for evidence of exposure, or ‘grinning through’, of an underlying substrate of contrasting colour.

NOTES:

- 1 Method A is not applicable to non-metallic substrates that prevent a determination of the film thickness using non-destructive techniques.
- 2 Method B is usually sufficient for evaluating conventional decorative paint films, of less than 100 µm thickness, whereas Method A is suitable for heavy duty finishes of greater than 100 µm thickness.

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

AS

- 1580 Paints and related materials—Methods of test
- 1580.104.1 Method 104.1: Recommended materials for test panels
- 1580.481.0 Part 481.0: Coatings—Guide to assessing paint systems exposed to weathering conditions

AS/NZS

- 1580 Paints and related materials—Methods of test
- 1580.108.1 Method 108.1: Determination of dry film thickness on metallic substrates—Non-destructive methods
- 1580.457.1 Method 457.1: Resistance to natural weathering