

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS 1580.455.1:1997

Paints and related materials—Methods of test

Method 455.1: Resistance to water at room temperature

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 1580.455.1—1982.

This Standard is substantially the same as the previous edition but has been reformatted and updated to remove references to obsolete Standards.

METHOD

1 SCOPE This Standard sets out a method for assessing the resistance of a coating to immersion in distilled or deionized water at ambient temperature, by determining any change in appearance and scratch resistance after the appropriate immersion.

NOTE: This method may be used, modified as agreed between purchaser and supplier, for the determination of the resistance of a coating under other essentially aqueous conditions, provided that the nature of the immersion fluid and the duration of immersion are stated in the report.

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
- 1580.107.3 Method 107.3: Determination of wet film thickness by wheel gauge
- 1580.403.1 Method 403.1: Scratch resistance

AS/NZS

- 1580.601.1 Method 601.1: Colour—Visual comparison
- 1580.602.2 Method 602.2: Measurement of specular gloss of non-metallic paint films at 20°, 60° and 85°

3 PRINCIPLE Two panels coated with the test paint are immersed in distilled or deionized water. The wetted portion of one panel is immediately rubbed with a cottonwool pad and then compared with the unwetted portion. The second panel is allowed to stand in air for 2 h before the wetted portion is checked for scratch resistance and any film deterioration is noted.