

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS 1580.108.1:1994

Paints and related materials—Methods of test

Method 108.1: Determination of dry film thickness on metallic substrates - Non-destructive methods

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

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PREFACE

This joint Standard was prepared by the Joint Australia/New Zealand Standards Committee CH/3, on Paints and Related Materials, under the direction of the Multitechnics Standards Policy Board, to replace the 1980 edition, *Determination of dry film thickness on iron and steel substrates (permanent magnet instruments)*. This edition extends the range of instruments that may be used and no longer limits the procedure to iron and steel substrates.

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 general procedure for determining the thickness of non-magnetic coatings on steel or other metallic substrates using non-destructive testing techniques within the laboratory. It is intended for use with coatings which produce films that are firm and not subject to indentation by the instruments used. The coating thickness measurements may be obtained with magnetic torsional pull-off gauges, magnetic induction or eddy current type instruments. The method is not applicable to coatings of less than 20 µm thickness.

NOTES:

- 1 Site testing procedures are described in AS 3894.3.
- 2 Direct magnetic pull-off gauges are not covered by this Standard.

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

AS

1580	Paints and related materials—Methods of test
1580.101.4	Method 101.4: Conditions of test; temperature controlled
2310	Glossary of paint and painting terms
3894	Site testing of protective coatings
3894.3	Method 3: Determination of dry film thickness