STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF
AS/NZS 1580.481.1.5:1999
Paints and related materials—Methods of test
Method 481.1.5: Coatings—Exposed to weathering—Change in gloss

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 Manufactures' Federation
Australian Pipeline Industry Association
Institution of Professional Engineers New Zealand
Master Painters New Zealand Association
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Australian/New Zealand Standard™

Paints and related materials—Methods of test

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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 1580.481.5—1991, following a review and rationalization of the AS 1580.481.1 series of standards.

FOREWORD

This Standards includes two methods for the assessment of gloss levels before and after exposure, a visual method and an instrumental method. While an attempt has been made to correlate the rating scales of the two methods, the methods can not be considered to provide comparable assessments.

The visual methods is open to significant subjective interpretation by the operator. The instrumental method indicates the degree of specular reflectance, the light reflected from a surface at an angle equal to the angle of incidence. Specular reflectance is influenced by the texture of the surface and areas of the surface not in the reflecting plane which may scatter the reflected light, altering the measured result.

In both cases surface imperfections, such as scratches, waviness or brush marks may affect the result of the assessment. When selecting a test area the surface has to be considered. Scratched or damaged areas should be avoided and brush marks should be parallel to the plane of the axes of the incident and reflected beams. Successive assessments have to be taken from the same test area and at the same orientation for the test results to be meaningful.

METHOD

1 SCOPE This Standard sets out two methods for assessing the change in gloss of a paint test film that has been exposed to weathering, a visual method and an instrumental method.

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

AS	
1580	Paints and related materials—Methods of test
1580.481.0	Method 481.0: Coatings—Guide to assessing paint systems exposed to weathering conditions

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