

Australian Standard™

**Paints and related materials— Methods  
of test**

**Part 481.0: Coatings—Guide to  
assessing paint systems exposed to  
weathering conditions**

This Australian Standard was prepared by Committee CH-003, Paints and Related Materials. It was approved on behalf of the Council of Standards Australia on 21 May 2003 and published on 4 July 2003.

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The following are represented on Committee CH-003:

AUSTROADS

Australian Paint Approval Scheme

Australian Paint Manufacturers' Federation

Master Painters Australia

National Association of Testing Authorities Australia

Surface Coatings Association Australia

Telstra Corporation

Water Corporation Western Australia

Additional interests participating in the preparation of this Standard:

BHP Steel

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**Part 481.0: Coatings—Guide to  
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Originated as AS 1580.481.0—1991.  
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## PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee CH-003, Paints and Related Materials.

The objective of this Standard is to provide guidelines on the application of the various parts of the AS 1580.481 series of Standards, which specify tests dealing with the deteriorations and weathering of paint coatings.

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## STANDARDS AUSTRALIA

## Australian Standard

## Paints and related materials—Methods of test

## Part 481.0: Coatings—Guide to assessing paint systems exposed to weathering conditions

**1 SCOPE**

This Standard provides guidance on the implementation of test methods for weathering of panels coated with test paint. It gives an introduction and guidance on the assessment of exposed films as described in the AS 1580.481 series of test methods.

**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 material for test panels
1580.457.1	Method 457.1: Resistance to natural weathering
1580.481.1.2	Method 481.1.2: Coatings—Exposed to weathering—Discolouration (including bronzing)
1580.481.1.3	Method 481.1.3: Coatings—Exposed to weathering—Degree of dirt collection
1580.481.1.4	Method 481.1.4: Coatings—Exposed to weathering—Degree of dirt retention (after washing)
1580.481.1.5	Method 481.1.5: Coatings—Exposed to weathering—Degree of change in gloss
1580.481.1.6	Method 481.1.6: Coatings—Exposed to weathering—Degree of erosion
1580.481.1.7	Method 481.1.7: Coatings—Exposed to weathering—Degree of checking
1580.481.1.8	Method 481.1.8: Coatings—Exposed to weathering—Degree of cracking
1580.481.1.9	Method 481.1.9: Coatings—Exposed to weathering—Degree of blistering
1580.481.1.10	Method 481.1.10: Coatings—Exposed to weathering—Degree of flaking and peeling
1580.481.1.11	Method 481.1.11: Coatings—Exposed to weathering—Degree of chalking
1580.481.1.12	Method 481.1.12: Coatings—Exposed to weathering—Degree of colour change
1580.481.1.13	Method 481.1.13: Coatings—Exposed to weathering—Degree of fungal or algal growth
1580.481.3	Method 481.3: Coatings—Degree of corrosion of coated metal substrates
1580.481.5	Method 481.5: Coatings—Durability and resistance to fouling—Marine underwater paint systems
2700S	Colour standards for general purposes—Swatches
3730	Guide to the properties of paints for buildings (all parts)
3750	Paints for steel structures (all parts)