

Australian/New Zealand Standard™

Guide to the painting of buildings



AS/NZS 2311:2017

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CH-003, Paints and Related Materials. It was approved on behalf of the Council of Standards Australia on 11 February 2017 and by the New Zealand Standards Approval Board on 20 January 2017.
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The following are represented on Committee CH-003:

Australasian Corrosion Association
Australian Institute of Building
Australian Paint Manufacturers' Federation
Australian Wall and Ceiling Association
CSIRO
Institution of Professional Engineers New Zealand
Master Painters Australia
Master Painters New Zealand Association
National Association of Testing Authorities Australia
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Australian/New Zealand Standard

Guide to the painting of buildings

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CH-003, Paints and Related Materials, to supersede AS/NZS 2311:2009, *Guide to the painting of buildings*.

This Standard incorporates Amendment No. 1 (September 2019). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The objective of this Standard is to provide guidance and recommended good practice for the design, application and maintenance of decorative paint systems for use by the paint industry in the development of painting specifications.

This Standard cannot be nominated as a painting specification, but it can be used as a basis for the preparation of appropriate paint specifications to suit individual contracts. Guidance on the preparation of painting specifications is given in Section 9.

This Standard was revised to introduce the following changes:

- (a) Update referenced documents.
- (b) Include paint type B16A water-borne sealer binder in Table 2, Paint types.

The term 'informative' has been used in this Standard to define the application of the appendix to which they apply. An 'informative' appendix is only for information and guidance.

CONTENTS

	<i>Page</i>
FOREWORD.....	6
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE.....	7
1.2 OBJECTIVE.....	7
1.3 REFERENCED DOCUMENTS.....	7
1.4 DEFINITIONS.....	7
1.5 HAZARDOUS MATERIALS.....	9
1.6 INFLUENCE OF CLIMATE ON EXTERNALLY EXPOSED PAINT.....	11
1.7 INTERNAL ENVIRONMENTS OF BUILDINGS.....	13
1.8 SPREADING RATE, PAINT COVERAGE AND PAINT USAGE.....	13
1.9 SELECTION OF COLOUR.....	14
1.10 GLOSS LEVEL AND FINISH.....	17
1.11 ENVIRONMENTAL ISSUES.....	17
SECTION 2 DESIGN FOR PAINTING	
2.1 GENERAL.....	19
2.2 TIMBER.....	20
2.3 METAL INSTALLATIONS.....	22
2.4 BUILDING BOARDS.....	23
2.5 BRICKS.....	25
2.6 CONCRETE.....	25
2.7 GLASS-REINFORCED CONCRETE (GRC).....	26
2.8 SET PLASTER AND CEMENT RENDER.....	26
2.9 PLASTICS.....	26
SECTION 3 PREPARATION OF UNPAINTED SURFACES	
3.1 GENERAL.....	27
3.2 TIMBER PRODUCTS.....	27
3.3 ORGANIC FIBRE-BASED BUILDING BOARDS.....	30
3.4 IRON AND STEEL.....	31
3.5 ZINC-COATED AND ZINC/ALUMINIUM ALLOY-COATED STEEL.....	31
3.6 ALUMINIUM.....	33
3.7 COPPER AND BRASS.....	33
3.8 LEAD.....	33
3.9 MASONRY.....	33
3.10 SET PLASTER.....	39
3.11 FIBROUS PLASTER AND PLASTER GLASS.....	44
3.12 GYPSUM PLASTERBOARD.....	44
3.13 PLASTICS.....	45
3.14 ASBESTOS ENCAPSULATION OR SEALING.....	45
SECTION 4 GENERAL DESCRIPTION OF PAINTS, RELATED MATERIALS AND TREATMENTS	
4.1 GENERAL.....	46
4.2 SEALERS.....	47
4.3 PRIMERS.....	47
4.4 UNDERCOATS.....	47
4.5 SEALER/UNDERCOATS.....	48

	<i>Page</i>
4.6 SOLVENT-BORNE PAINTS	48
4.7 LATEX (WATER-BORNE) PAINTS.....	48
4.8 CLEAR (UNPIGMENTED) FINISHES	49
4.9 TIMBER STAINS	49
4.10 PAVING PAINTS	51
4.11 ROOFING PAINTS.....	51
4.12 BITUMINOUS PAINTS.....	52
4.13 SPECIAL PURPOSE PAINTS	52
4.14 MEMBRANE AND TEXTURED COATINGS.....	52
4.15 PAINT REMOVERS	54
4.16 WATER-REPELLENT TREATMENTS FOR TIMBER	54
4.17 WATER REPELLENTS FOR CONCRETE AND MASONRY	55
4.18 ANTI-GRAFFITI PAINTS	55
4.19 NON-CONVENTIONAL PAINTS.....	56
4.20 HERITAGE PAINT SYSTEMS	57
4.21 PUTTIES, GROUTS AND SEALANTS.....	58
4.22 LOW VOLATILE ORGANIC COMPOUND PAINTS	59
4.23 ECOLOGICAL PAINTS	60
 SECTION 5 SYSTEMS FOR THE PAINTING OF BUILDINGS	
5.1 CONVENTIONAL PAINTING SYSTEMS	68
5.2 SPECIALIZED PAINTING SYSTEMS	73
5.3 SPECIALIZED APPLICATIONS.....	74
 SECTION 6 PAINT APPLICATION	
6.1 GENERAL.....	77
6.2 PAINT PREPARATION.....	77
6.3 CLIMATIC CONDITIONS	78
6.4 CONDITION OF THE SUBSTRATE	79
6.5 STOPPING AND FILLING	79
6.6 SEQUENCE OF OPERATION	79
6.7 METHODS OF APPLICATION.....	80
6.8 TOUCH UP	86
 SECTION 7 MAINTENANCE OF PAINTED SURFACES	
7.1 GENERAL	87
7.2 CRITERIA FOR ASSESSING WHEN TO REPAINT	87
7.3 PRETREATMENT BEFORE REPAINTING	88
7.4 PAINTED SURFACES IN GOOD CONDITION (ALL SUBSTRATES)	90
7.5 SURFACES IN POOR CONDITION	91
7.6 DISCOLOURATION AND STAINING OF PAINT FILMS	95
 SECTION 8 MAINTENANCE PAINTING SYSTEMS	
8.1 GENERAL.....	98
8.2 RETAIN EXISTING PAINT SYSTEM AND GLOSS AND COLOUR	98
8.3 RETAIN EXISTING PAINT SYSTEM BUT CHANGE GLOSS AND COLOUR....	98
8.4 CHANGE OF PAINT SYSTEM.....	99
8.5 TEST FOR EXISTING PAINT SYSTEM	99

	<i>Page</i>
SECTION 9 PREPARATION OF PAINTING SPECIFICATIONS	
9.1 GENERAL.....	103
9.2 CONTENT.....	104
9.3 PROVISION OF DOCUMENTS.....	106
9.4 DEFECTS LIABILITY PERIOD.....	106
APPENDICES	
A CHECKLIST FOR THE PREPARATION OF A PAINTING SYSTEM SPECIFICATION FOR NEW SURFACES	107
B CHECKLIST FOR THE PREPARATION OF A MAINTENANCE PAINTING SYSTEM SPECIFICATION FOR PREVIOUSLY PAINTED SURFACES	106
C INSPECTION AND TESTING.....	107
INDEX	113

FOREWORD

Painting is an accepted method of protecting materials to extend their service life, to enhance their appearance, or for reasons of hygiene.

Alternative materials and systems can also provide satisfactory service; however, the materials and systems included in this Standard are known to perform satisfactorily when correct application methods have been followed.

Because of health, safety and environmental considerations, emphasis has been given to the use of latex paint systems; however, in specific circumstances, alternative solvent-borne systems have been included to ensure that all performance requirements are met. It is recommended that specifiers contact manufacturers to obtain material safety data sheets (MSDSs) when considering matters dealing with health and the safe handling of paints.

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND
Australian/New Zealand Standard
Guide to the painting of buildings

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard provides a guide to products and procedures for the painting of buildings for general domestic, commercial and industrial use. Where no specific application standards apply the minimum standard to follow is the recommended specification from the relevant manufacturer specific to the product or type or substrate.

This Standard does not apply to the long-term protection of iron or steel exposed directly to the atmosphere or to internal climates likely to have aggressive environments. These subjects are dealt with in AS/NZS 2312 (series).

1.2 OBJECTIVE

This Standard is intended to assist those with interest in building design and maintenance such as trades people, architects, builders or building owners in the preparation of painting specifications for inclusion in contracts. It should not be called up in contracts without also specifying the detail to be derived from it.

In providing guidance on the preparation of painting and repainting specifications for surfaces forming parts of buildings, this Standard necessarily gives choices of paint types for use in different areas. For each contract, the architect, or owners, should draw up a complementary painting schedule to detail the options that are to be used together with a colour schedule. This Standard can then be referred to when specifying the necessary preparation, the coating system and the methods and conditions of application.

NOTE: Information on the preparation of painting specifications is given in Section 9 and Appendices A and B. Information on inspection and testing is given in Appendix C.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

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|-------------|---|
| 1318 | Use of colour for the marking of physical hazards and the identification of certain equipment in industry |
| 1345 | Identification of the contents of piping, conduits and ducts |
| 1580 | Paints and related materials—Methods of test |
| 1580.4.1.5 | Method 401.5: Hard dry condition—Sanding test |
| 1580.4.1.2 | Method 408.2: Adhesion—Knife test |
| 1580.4.08.4 | Method 408.4: Adhesion (crosscut) |
| 1604 | Specification for preservative treatment (series) |
| 1627 | Metal finishing—Preparation and pretreatment of surfaces |
| 1627.4 | Part 4: Abrasive blast cleaning of steel |
| 1789 | Electroplated zinc (electrogalvanized) coatings on ferrous articles (batch process) |
| 1897 | Electroplated coatings on threaded components (metric coarse series) |