

Australian Standard™

**Guide to the properties of paints for
buildings**

**Part 18: Undercoat/sealer—Latex—
Interior/exterior**



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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

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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, to supersede AS 3730.18—1993, *Guide to the properties of paints for buildings, Part 18: Undercoat—Latex—Interior/exterior*. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this as an Australian, rather than an Australian/New Zealand Standard.

The AS 3730 series has been prepared as guides to the range of frequently used paints for buildings which are air-dried and generally applied on site. These guides include features of each product type and typical product characteristics. These product characteristics are to be taken as a guide only, i.e. it is not mandatory for a product to have these characteristics. Because a product is used as part only of an overall painting system, the AS 3730 guides should not be used as substitutes for detailed painting specifications from the manufacturer, based on AS/NZS 2311:2000, *Guide to the painting of buildings*. Successful specifications are based on the proven performance of the total paint system, and not on the characteristics of individual paint products.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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FOREWORD

The Latex undercoat/sealers characterized by this guide are intended for use predominantly for painting primed timber, wallboards, plaster and masonry prior to the application of subsequent finish coats.

Latex undercoat/sealers produce little odour during application and drying. As the paint is fast drying, painted areas can be recoated within a few hours of application.

Before painting, surfaces should be prepared in accordance with the manufacturer's instructions or the appropriate section of AS/NZS 2311.

STANDARDS AUSTRALIA

Australian Standard

Guide to the properties of paints for buildings

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1 SCOPE

This guide describes the features and typical characteristics that are expected of a latex undercoat/sealer for interior and exterior use, when applied by brush, roller or spray in accordance with the manufacturer's instructions.

Paints covered by this Standard are classified as paint Type B17A of AS/NZS 2311.

2 REFERENCED DOCUMENTS

The documents referred to in this guide are listed in Appendix A.

3 DEFINITIONS

For the purpose of this guide the definitions given in AS/NZS 2310 apply.

4 OCCUPATIONAL HEALTH AND SAFETY

Refer manufacturer's Materials Safety Data Sheet before using these paints.

5 TYPICAL PROPERTIES AND CHARACTERISTICS

Table 1 provides a summary of typical properties.

5.1 Composition

The paint should consist essentially of pigments, extenders and latex binders in aqueous suspension. The product should meet the requirements of the Standard for the Uniform Scheduling of Drugs and Poisons, issued by the National Drugs and Poisons Schedule Committee.

5.2 Conditions of test

Unless otherwise indicated, the recommendations in this guide apply to products that are tested as follows:

- (a) The test panel material is a piece of standard grade hardboard in accordance with AS/NZS 1580.104.1 sealed with one coat of the paint under test thinned 5 percent with water or a suitable latex primer in accordance with AS 3730.17 and dried for at least 24 h. Where reference panels are required, they should be made of the same material as the test panels and should be prepared by identical methods at the same time as the test panels.
- (b) The size of test panels should be as specified in Table 1 for the appropriate test.
- (c) The method of application for test purposes is by brush.
- (d) The spreading rate of the paint should be as specified by the manufacturer, typically in the region of 16 m²/L.
- (e) Environmental conditions for testing are in accordance with AS/NZS 1580.101.5.