

Australian Standard™

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

**Part 14: Undercoat—Solvent-borne—
Interior/exterior**



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Australian Paint Approval Scheme

Australian Paint Manufacturers Federation

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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 3730.14—1991, *Guide to the properties of paints for buildings, Part 14: Undercoat—Solvent-borne—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. Typical product characteristics are to be taken as a guide only and are not mandatory. Because a product is used as part only of an overall painting system, the AS 3730 guides should not be used as a substitute for a detailed painting specification 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 in isolation.

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 solvent-borne undercoats characterized by this guide are intended to be used predominantly for painting primed timber, sealed wallboards, plaster and masonry prior to the application of subsequent finish coats. Some of the characteristics of these products are their ability to be readily sanded to a smooth finish and to be used as a buffer coat for subsequent top coating.

Solvent-borne interior/exterior undercoats produce more odour and VOC (volatile organic compounds) than latex paints and are slower drying.

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

Part 14: Undercoat—Solvent-borne—Interior/exterior

1 SCOPE

This document provides a guide to the features and typical characteristics that are expected of a solvent-borne undercoat 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 B17 of AS/NZS 2311.

2 REFERENCED DOCUMENTS

The documents referred to in this guide are given 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

5.1 Composition

The paint should consist essentially of pigments, extenders, solvent, alkyd resin binder, drying oils or selected combinations of these materials. 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 a standard grade hardboard in accordance with AS/NZS 1580.104.1 sealed with one coat of the primer characterized by AS 3730.13 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.
- (f) Environmental conditions for air-drying are in accordance with AS/NZS 1580.101.1.

NOTE: See AS 3730.0 for information on the testing of paints for quality control purposes during manufacture.