

Australian Standard™

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

**Part 25: Clear finish—Solvent-borne—
Interior**

STANDARDS
Australia



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 December 2005.
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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 3730.25—1993, *Guide to the properties of paints for buildings, Part 25: Varnish—Solvent-borne—Interior*. 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 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.

CONTENTS

| | <i>Page</i> |
|---|-------------|
| FOREWORD..... | 4 |
| 1 SCOPE..... | 5 |
| 2 REFERENCED DOCUMENTS..... | 5 |
| 3 DEFINITIONS..... | 5 |
| 4 OCCUPATIONAL HEALTH AND SAFETY..... | 5 |
| 5 TYPICAL PROPERTIES AND CHARACTERISTICS..... | 5 |
| 6 PACKAGING..... | 7 |
| 7 LABELLING..... | 7 |
| APPENDIX A LIST OF REFERENCED DOCUMENTS..... | 10 |

FOREWORD

Clear finishes as characterized by this guide are intended for use on interior stained or unstained timber surfaces. Applied films are clear, flat to gloss, hard and highly resistant to handling and moisture. These finishes are intended for use on surfaces requiring a degree of toughness and serviceability.

Solvent-borne clear finishes produce more odour and VOC (volatile organic compounds) than water-borne clear finishes, are slower drying and will yellow with age.

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

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Guide to the properties of paints for buildings

Part 25: Clear finish—Solvent-borne—Interior

1 SCOPE

This document provides a guide to the features and typical characteristics that are expected of an interior clear finish when applied by brush, roller or spray in accordance with the manufacturer's instructions. Paints satisfying the requirements of this guide are equivalent to paint Type B19 of AS/NZS 2311, with the inclusion of a low-gloss clear finish.

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

NOTE: Table 1 provides a summary of typical properties.

5.1 Composition

The clear finish should consist essentially of an alkyd, oil or alkyd modified polyurethane and a solvent, and extenders as necessary to control gloss. The product should meet the requirements of the Standard for Uniform Scheduling of Drugs and Poisons, issued by the National Drugs and Poisons Schedule Committee (NHMRC).

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 appropriate solvent 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 is as specified in Table 1 for the appropriate test method.
- (c) The method of application for test purposes is by brush.
- (d) The spreading rate of the clear finish should be as specified by the manufacturer, typically in the region of 15 m²/L.
- (e) Environmental conditions for testing are in accordance with AS/NZS 1580.101.5.