

Australian Standard™

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

**Part 29: Solvent-borne—
Exterior/interior — Paving paint**

STANDARDS
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 3730.29—1993, *Guide to the properties of paints for buildings, Part 29: Solvent-borne—Exterior/interior—Paving paint*. 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.

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 paving paint characterized by this guide is intended mainly for use on interior and exterior concrete surfaces. To provide a key to steel trowelled (shiny concrete) surfaces, it is normal for the surface to be either abraded or acid etched before painting.

The alkalinity of freshly prepared cementitious surfaces is frequently in the region of Ph 10 to 12 and requires time to age to a maximum of pH 9 before any oleoresinous material is applied. Insufficient curing time will cause premature failure of the paint system. AS/NZS 2311 gives details on the ageing process and other precautions needed to ensure that the substrate pH is at an acceptable level.

It should be borne in mind that all shiny paving paints become slippery when wet, making them hazardous. The use of 'non-slip' additives may reduce the level of risk.

These finishes are generally unsuitable for use where cars are parked due to pick up on vehicle tyres.

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 29: Solvent-borne—Exterior/interior—Paving paint

1 SCOPE

This document provides a guide to the features and typical characteristics that are expected of a solvent-borne exterior/interior paving paint when applied by brush, roller or spray, in accordance with the manufacturer's instructions. Paints covered by this guide are classified as Paint Type B24 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 of AS/NZS 2311 and those below apply.

3.1 Approximate colour match

Where the colour of the test sample appears the same as a reference sample when separated by a minimum of 100 mm and viewed under specified conditions.

NOTE: See Appendix A of AS 3730.0.

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 paint should consist essentially of pigments, extenders, solvents and resins. 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.

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 fibrous cement in accordance with AS/NZS 1580.104.1. Where reference panels are required, they should be composed 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 is by brush.
- (d) The spreading rate of the paint should be as specified by the manufacturer, typically in the region of 14 m²/L.
- (e) Environmental conditions for testing are in accordance with AS/NZS 1580.101.5.