AS 3730.21—2006

Australian Standard™

Guide to the properties of paints for buildings

Part 21: Primer–Solvent-borne—For ferrous metallic surfaces

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Australia

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PREFACE

This Standard was prepared by the Australian member of the Joint Standards Australia/Standards New Zealand Committee CH-003, Paints and Related Materials, to supersede AS 3730.21—1993, *Guide to the properties of paints for buildings*, Part 21: *Primer—Solvent-borne—For ferrous metallic surfaces*. 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 primers characterized by this guide are intended for use as the first coat on interior/exterior ferrous metallic surfaces. The primer must be overcoated within several weeks of application with the appropriate coating system.

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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STANDARDS AUSTRALIA

Australian Standard
Guide to the properties of paints for buildings

Part 21: Primer–Solvent-borne—For ferrous metallic surfaces

1 SCOPE

This Standard provides a guide to the features and typical characteristics that are expected of a solvent-borne metal primer when applied by brush, roller or spray in accordance with the manufacturer's instructions.

Paints covered by this Standard are classified as paint Type B11 of AS/NZS 2311. They are used to provide anti-corrosive properties and adhesion for subsequent coatings on prepared iron and steel.

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 paint should consist essentially of pigments, extenders, solvent, synthetic resin binders, 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 of steel, as specified in AS/NZS 1580.104.1. Where reference panels are required, they should be made of the same material and be prepared, by identical methods, at the same time as the test panels.

(b) The size of test panels is 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 15 m^2/L.

(e) Environmental conditions for testing are in accordance with AS/NZS 1580.101.5.

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