

Australian/New Zealand Standard™

**Paints for steel structures**

**Part 21: Undercoat—Solvent-borne**



## **AS/NZS 3750.21:2008**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CH-003, Paints and Related Materials. It was approved on behalf of the Council of Standards Australia on 19 March 2007 and on behalf of the Council of Standards New Zealand on 3 March 2007.

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The following are represented on Committee CH-003:

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**Part 21: Undercoat—Solvent-borne**

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CH-003, Paints and Related Materials, to supersede AS 4025.2—1993, *Paints for equipment including ships, Part 2: Solvent-borne—Interior and exterior—Undercoat*.

See AS 3730.0 for other published Standards in this series.

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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## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**Australian/New Zealand Standard  
Paints for steel structures****Part 21: Undercoat—Solvent-borne****1 SCOPE**

This Standard sets out requirements for solvent-borne undercoat paints as part of a system for the protection of iron and steel against atmospheric corrosion. Typically available in white or grey colour, they are intended to be applied, as supplied, using brush, roller or by spray.

This Standard applies to paints intended for the undercoating of metal surfaces primed in accordance with AS/NZS 3750.19 or AS/NZS 3750.20 that are to be topped with a semi-gloss or full gloss film in accordance with AS/NZS 3750.22 or AS/NZS 3750.23 that will provide resistance to weathering, washing and intermittent contact with petrol or mineral oils. Typical applications include machinery and the superstructures of ships.

NOTE: Undercoats as part of a system for the protection of steel are not considered necessary according to AS/NZS 2312. However, for reasons such as additional filling properties, opacity, ease of sanding to obtain a finer finish, they may be incorporated in an alkyd system.

**2 REFERENCED DOCUMENTS**

A list of documents referred to in this Standard is given in Appendix A.

**3 DEFINITIONS**

The definitions of AS/NZS 2310 apply.

**4 MATERIALS REQUIREMENTS**

NOTE: The properties and requirements for paint to this Standard are summarized in Table 1.

**4.1 Composition**

The paint shall consist essentially of pigments, extenders, drying oils, modified resins such as alkyds or urethanes, and volatile hydrocarbon solvents such as mineral turpentine. The product shall not be a First, Second or Third Schedule paint as defined in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) issued by the Department of Health and Ageing.

**4.2 Conditions of test**

Unless otherwise indicated, the requirements specified in this Standard apply to products that are tested under the following conditions:

- (a) The test panel material is tinplate as specified in AS/NZS 1580.104.1 or as indicated in Table 1. Where reference panels are required, they shall be composed of the same material as the test panel and be prepared by methods identical to those used for the test panel.
- (b) The size of test panels is as specified in Table 1 for the appropriate test method.
- (c) The method of test paint application is by brush.