

Australian/New Zealand Standard™

Paints for steel structures

Part 23: Semi-gloss enamel—Solvent-borne



AS/NZS 3750.23:2008

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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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CH-003, Paints and Related Materials, to supersede AS 4025.3—1992, *Paints for equipment including ships, Part 3: Solvent-borne—Interior and exterior semi-gloss enamel*.

See AS/NZS 3750.0 for other published Standards in this series.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**Australian/New Zealand Standard
Paints for steel structures****Part 23: Semi-gloss enamel—Solvent-borne****1 SCOPE**

This Standard sets out requirements for solvent-borne semi-gloss enamel paints as part of a system for the protection of iron and steel against atmospheric corrosion. They are intended to be applied, as supplied, by brush, roller or by spraying.

This Standard applies to paints intended for the topcoating of primed metal surfaces, with a semi-gloss film that will provide resistance to intermittent contact with petrol or mineral oils.

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 oil modified resins such as alkyds or urethanes, and volatile hydrocarbon solvents such as a mineral turpentine. The product shall not be a First or Second 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 tinsplate 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 shall 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.
- (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.