

Australian/New Zealand Standard™

Paints for steel structures

Part 19: Metal primer—General purpose



AS/NZS 3750.19:2008

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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Australian Paint Approval Scheme
Australian Paint Manufacturers' Federation
Australian Pipeline Industry Association
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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 4089—1993, *Priming paint for steel—Single component—General purpose*.

See AS/NZS 3750.0 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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1 SCOPE

This Standard sets out requirements for single-component, general purpose priming 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 spray to provide resistance to weathering, washing and intermittent contact with petrol or mineral oils. The Standard deals with primers that are surface dry within 6 h and may be overcoated after 16 h.

This Standard applies to paints intended for the priming of well-cleaned steel surfaces. These products should be overcoated with a paint system specified by AS/NZS 2312 such as ALK5 or ALK6.

The primer is intended as a first coat on steel, under alkyd topcoats such as Types C17 and C20 paints, as specified in AS/NZS 2312.

NOTES:

- 1 Solvent-borne primers as described in this Standard comply with the requirements of Types C04 and C05 paint, in accordance with AS/NZS 2312.
- 2 Appendix A provides recommendations on information which should be provided by the purchaser at the time of enquiry or order.
- 3 Additional information on the use and application of steel primers is given in Appendix B.

2 REFERENCED DOCUMENTS

A list of the documents referred to in this Standard is contained in Appendix C.

3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS/NZS 2310 and those below apply.

3.1 Type 1 primer (Type C05 paint, AS/NZS 2312)

An alkyd primer designed to provide corrosion protection for steel when applied to a dry film thickness of 35 to 50 μm .

3.2 Type 2 primer (Type C04 paint, AS/NZS 2312)

A high-build alkyd primer designed to provide corrosion protection for steel when applied to a dry film thickness of 75 to 100 μm in a single coat.

3.3 Type 3 primer

A water-borne primer that meets the requirements of either Type 1 or Type 2 primer.

4 SAFETY PRECAUTIONS

Health and safety aspects referenced in Section 13 of AS/NZS 2312 should be followed in conjunction with the manufacturer's safety data sheets (MSDS).

5 MATERIALS REQUIREMENTS

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