

Australian/New Zealand Standard™

**Paints for steel structures**

**Part 3: Heat resisting—Exterior**



### **AS/NZS 3750.3:2008**

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.

This Standard was published on 19 May 2008.

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The following are represented on Committee CH-003:

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Australian Paint Manufacturers' Federation  
Australian Pipeline Industry Association  
Business New Zealand  
Engineers Australia  
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*This Standard was issued in draft form for comment as DR 04188.*

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Originally as AS/NZS 3750.3:1994.  
Second edition 2008.

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Jointly published by Standards Australia, GPO Box 476, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 8661 8

## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CH-003, Paints and Related Materials to supersede AS/NZS 3750.3:1994. It forms part of a series of product Standards for paints referred to in AS/NZS 2312, *Guide to the protection of structural steel against atmospheric corrosion by the use of protective coatings*.

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.

## CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE .....	4
1.2 REFERENCED DOCUMENTS .....	4
1.3 DEFINITIONS .....	4
1.4 SAFETY REQUIREMENTS .....	5
SECTION 2 MATERIALS REQUIREMENTS	
2.1 GENERAL .....	6
2.2 CONDITIONS OF TEST .....	6
2.3 LIQUID PAINT .....	6
2.4 APPLICATION PROPERTIES .....	7
2.5 APPLIED FILM .....	7
SECTION 3 PACKAGING AND LABELLING	
3.1 PACKAGING .....	10
3.2 LABELLING .....	10
APPENDICES	
A PURCHASING GUIDELINES .....	11
B GUIDANCE ON THE USE AND APPLICATION OF HEAT RESISTING PAINTS .....	12
C REFERENCED DOCUMENTS .....	14
D PREPARATION OF TEST PANELS .....	16

## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**Australian/New Zealand Standard  
Paints for steel structures****Part 3: Heat resisting—Exterior**

## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard sets out requirements for single- and multi-component primers and finishing coats for the protection of steel against atmospheric corrosion at elevated temperatures. Paints specified in this Standard include those described as Paint References C27, C31 and C35 in AS/NZS 2312.

Temperature resistance, colour range, gloss level and drying time vary significantly according to type. These products can normally be applied by brush, roller or spray although airless spray application is not suitable for some types. Abrasive blast cleaning is the preferred method of surface preparation, however hand or power tool cleaning may be acceptable for some products that are exposed at lower temperatures. Some products require the application of heat to achieve their full resistance properties.

## NOTES:

- 1 These paints may be used for the appropriate systems detailed in 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 heat resisting paints is contained in Appendix B.
- 4 Some products covered by this Standard may be particularly prone to discolouration or damage due to atmospheric contamination where there are acid or alkaline conditions, and the manufacturer's advice should be sought.

**1.2 REFERENCED DOCUMENTS**

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

**1.3 DEFINITIONS**

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

**1.3.1 Type 1 product**

A single-component silicone acrylic paint, classed as Paint Reference C27 in AS/NZS 2312, which is available in a limited colour range and intended as a finishing coat over inorganic zinc silicate primer. It provides a decorative appearance with heat resistance to a continuous temperature of 200°C and for limited periods at 230°C.

**1.3.2 Type 2 product**

A single-component coumarone indene/oleoresinous aluminium paint, intended as a finishing coat for application in two coats over oleoresinous zinc dust primer (see Clause 1.3.4), providing weather resistance and heat resistance to 230°C.