

Australian/New Zealand Standard™

Paints for steel structures

**Part 1: Epoxy mastic (two-pack)—For
rusted steel**



AS/NZS 3750.1:2008

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 3750.1—1994. It forms part of a series of product Standards for paint systems 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 PRECAUTIONS	4
SECTION 2 MATERIALS REQUIREMENTS	
2.1 GENERAL	5
2.2 CONDITIONS OF TEST.....	5
2.3 LIQUID PAINT.....	5
2.4 SPRAY APPLICATION PROPERTIES.....	5
2.5 APPLIED FILM	6
2.6 MIXING RATIO	7
2.7 ADDITIONAL TESTS.....	8
SECTION 3 PACKAGING AND LABELLING	
3.1 PACKAGING.....	9
3.2 LABELLING.....	9
APPENDICES	
A PURCHASING GUIDELINES.....	10
B GUIDANCE ON THE USE AND APPLICATION OF EPOXY MASTIC PAINT ...	11
C REFERENCED DOCUMENTS	14
D PREPARATION OF TEST PANELS.....	16
E DETERMINATION OF THE CURING PROPERTIES OF AN EPOXY MASTIC ..	17
F ASSESSMENT OF RESISTANCE OF AN EPOXY MASTIC TO WATER	19
G ASSESSMENT OF RESISTANCE OF AN EPOXY MASTIC TO MINERAL OIL .	21
H ASSESSMENT OF RESISTANCE OF AN EPOXY MASTIC TO ALKALI AND ACID.....	23
I PROCEDURE FOR TESTING DURABILITY OF AN EPOXY MASTIC	25
J ADDITIONAL TESTS.....	27

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for a two-component, high-build, high-solid, epoxy mastic for the protection of iron and steel against exterior atmospheric corrosion in a severe industrial or coastal marine environment. It is intended primarily for use on imperfectly prepared surfaces, i.e., surfaces where residual rust and some previously applied paint of any type are still present. These coatings are also suitable for applications over blast cleaned surfaces where extended service life may be achieved.

Paint specified in this Standard is described in AS/NZS 2312 as Paint Reference C32. Commonly known as surface tolerant epoxy, this product may be pigmented with aluminium or micaceous iron oxide. It may also be produced in a limited range of colours and is designed primarily for use as a single coat, high-build, self priming finish.

NOTES:

- 1 This paint may be used as detailed for systems EPM1 and EPM2 in AS/NZS 2312.
- 2 Appendix A contains recommendations and advice 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 epoxy paints is contained in Appendix B.

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 Epoxy mastic

A high-build paint consisting essentially of epoxy resin base, polyamide or amine adduct or other hardener, together with various agents to improve wetting, adhesion and flexibility, with appropriate pigments and solvents mixed together in the proportions recommended by the manufacturer.

NOTE: Anti-settling and anti-sag agents may be necessary to provide high-build and prevent sagging during application.

1.4 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 (MSDSs).