

Superseded by ^{INZS} Dup AS 3750.10:1994

AS 2603—1983

UDC 667.62:667.637.25:36.221



use

667.638.6³.37.25³.36.221

Australian Standard 2603—1983

PAINTS FOR STEEL STRUCTURES FULL GLOSS EPOXY (TWO-PACK)



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter



This Australian standard was prepared by Committee CH/3, Paints and Related Materials. It was approved on behalf of the Council of the Standards Association of Australia on 30 November 1982 and published on 5 April 1983.

The following interests are represented on Committee CH/3:

Australasian Corrosion Association
Australasian Zinc Development Association
Australian Electrical and Electronic Manufacturers Association Limited
Australian Paint Manufacturers Federation
Australian Retailers Association
Confederation of Australian Industry
Department of Defence
Government Paint Committee
National Association of Australian State Road Authorities
National Association of Testing Authorities, Australia
Oil and Colour Chemists Association
Railways of Australia Committee
Royal Australian Institute of Architects

To keep abreast of progress in industry, Australian standards are subject to continuous review and are kept up-to-date by the issue of amendments or new editions as necessary. It is important therefore that standards users ensure that their standards are up-to-date. Full details of all SAA publications will be found in the Annual List of Australian Standards; these details are supplemented by listings in the SAA monthly journal 'The Australian Standard'. Information on the Annual List and 'The Australian Standard' may be obtained from any sales office of the Association, where details are also available of the current status of individual standards. Suggestions for improvements to published standards, addressed to the head office of the Association, are welcomed.

This standard was issued in draft form for comment as DR 81283.

AUSTRALIAN STANDARD

**PAINTS FOR STEEL STRUCTURES
FULL GLOSS
EPOXY (TWO-PACK)**

AS 2603—1983

First published1983

**PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
STANDARDS HOUSE, 80 ARTHUR ST, NORTH SYDNEY, N.S.W.**

ISBN 0 7262 2881 8



2 APR 1983

PREFACE

This standard was prepared by the Association's Committee on Paints and Related Materials, under the direction of the Chemical Standards Board. It is one of a series of product standards for paints cross-referred to in AS 2312, Guide to the Protection of Iron and Steel Against Exterior Atmospheric Corrosion.

Matters considered to be contractual in nature, i.e. subject to agreement, are not covered in the body of the standard but are referred to in Appendix A.

This standard relies essentially on product performance with specified properties for compliance; however, some compositional requirements are included.

CONTENTS

	Page
SECTION 1. SCOPE AND GENERAL	
1.1 Scope	3
1.2 Uses	3
1.3 Referenced Documents	3
1.4 Definitions	3
1.5 Safety Precautions	3
SECTION 2. MATERIAL REQUIREMENTS AND PROPERTIES	
2.1 Composition	4
2.2 Properties	4
2.3 Colour	5
SECTION 3. PACKAGING AND LABELLING	
3.1 Packaging	7
3.2 Labelling	7
APPENDICES	
A Purchasing Guidelines	8
B Guidance on the Use and Application of Full Gloss Epoxy Paint	9
C Preparation of Test Panels	11
D Notes on Paint Testing	11
ANNEX. REFERENCED DOCUMENTS	12

©Copyright — STANDARDS ASSOCIATION OF AUSTRALIA 1983

Users of standards are reminded that copyright subsists in all SAA publications. No part of this publication may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing of the Standards Association of Australia.

STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

for

PAINTS FOR STEEL STRUCTURES—FULL GLOSS EPOXY (TWO-PACK)

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This standard specifies requirements for a two-pack full gloss epoxy paint, intended to be used for the protection of iron and steel against exterior atmospheric corrosion. It is suitable for application by spraying (conventional air or airless). It may also be applied by roller or, for small areas, by brush.

NOTES:

1. Information required to be supplied with the purchase order is set out in Appendix A.
2. The paint is available in a range of colours.

1.2 USES. Paint complying with this standard is intended to be used as a topcoat in paint systems for the protection of iron and steel against corrosion involving damp and wet areas, high humidity, coastal/marine and industrial fallout.

This paint complies with the provisions of Paint Reference No 24 and may be used with the appropriate primer in systems MP5-A, MP5-E and MP6-E of AS 2312.

Epoxy paints should not be used in exterior applications where the retention of colour and gloss is required for long periods of time.

Additional information on the use and application of epoxy paints is given in Appendix B.

1.3 REFERENCED DOCUMENTS. A list with titles of the documents referred to in this standard is given in the Annex.

1.4 DEFINITIONS. For the purpose of this standard, the definitions given in AS 2312 and the following apply:

1.4.1 Component—the term used to describe each of two parts of the paint, i.e. the epoxy resin base and the hardener supplied in separate containers.

1.4.2 Paint—the mixture of the two components in the proportions recommended by the manufacturer.

1.5 SAFETY PRECAUTIONS. Epoxy paints contain epoxy resin and organic amines in chemical combination. During mixing and application, protective clothing such as overalls and gloves should be worn to minimize skin contact (see Appendix B).

As the paint is intended for industrial use only, lead pigments may be present in some colours.

NOTE: State regulations exist which apply to labelling for lead content.