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667.638.6<sup>3</sup>, 37.25<sup>3</sup>, 36.221

# Australian Standard 2602—1983

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## PAINTS FOR STEEL STRUCTURES FULL GLOSS POLYURETHANE (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.

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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

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**AUSTRALIAN STANDARD**

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

**AS 2602--1983**

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## 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 the 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.

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## STANDARDS ASSOCIATION OF AUSTRALIA

## Australian Standard

for

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

## SECTION 1. SCOPE AND GENERAL

**1.1 SCOPE.** This standard specifies requirements for a two-pack full gloss polyurethane paint, intended to be used for the protection of iron and steel against exterior atmospheric corrosion. It is primarily 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 wet and damp areas, high humidity, coastal/marine and industrial fallout.

This paint complies with the provisions of Paint Reference No 26 and may be used with the appropriate primer in systems MP5-D, MP5-H and MP6-G of AS 2312.

Polyurethane paints are suitable for use in those exterior applications where it is desirable to retain colour and gloss for long periods of time in addition to providing corrosion resistance.

**NOTE:** Additional information on the use and application of polyurethane paints is given in Appendix B.

**1.3 REFERENCED DOCUMENTS.** Titles 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 2310 and the following apply:

**1.4.1 Component**—the term used to describe each of two parts of the paint which, when mixed together, form a pigmented polyurethane resin.

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

**1.5 SAFETY PRECAUTIONS.** Polyurethane paints contain a small proportion (0.3 percent maximum) of free isocyanate monomer. The paint is not considered hazardous except when being sprayed, in which case special precautions are necessary (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.