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GLASS BEADS FOR TRAFFIC MARKINGS



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

THE FOLLOWING INDUSTRIAL, SCIENTIFIC AND GOVERNMENTAL organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Associated Chamber of Manufactures of Australia
Australian Electrical Manufactures of Australia
Australian Federation of Consumer Organizations
Australian Paint Manufacturers Federation
CSIRO, Division of Building Research
Department of Defence
Government Paint Committee
National Association of Testing Authorities
Oil and Colour Chemists Association
National Association of Australian State Road Authorities
Railways of Australia Committee
Royal Australian Institute of Architects
University of Melbourne

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To keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the head office of the Association, will be welcomed.

AUSTRALIAN STANDARD SPECIFICATION

**GLASS BEADS
FOR TRAFFIC MARKINGS**

AS 2009 — 1977

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PREFACE

This standard was prepared by the Association's Committee on Paints and Varnishes as a revision and metrication of AS E42—1967 which it accordingly supersedes.

Whereas the previous standard did not apply to premixed beads for use in roadmarking paints, the committee resolved that, with the increasing use of premixed beads in Australia over the past few years and with the proposed introduction of drop-on (flotation) beads, appropriate requirements should be included in this revised standard for both types of bead.

The standard no longer covers the *supply* of beads but has been by the purchaser has been included in Appendix A. Matters such as written as a *product* specification; accordingly information to be supplied the sampling of consignments of beads are considered to be contractual and are no longer specified although a recommended sampling plan is included in Appendix C.

This standard may require reference to the following standards:

AS 1152	Test Sieves
AS 1524	Cylindrical Tinplate Cans with Friction Closures
AS A89	Methods of Testing Soils for Engineering Purposes
AS K146	Road Marking Paints
AS R14	Glass Filter Funnels
ASTM 2205-70	Standard Recommended Practices for Testing Traffic Paints.

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STANDARDS ASSOCIATION OF AUSTRALIA

**Australian Standard Specification
for
GLASS BEADS FOR TRAFFIC MARKINGS**

**SECTION 1. SCOPE, APPLICATION AND
DEFINITIONS**

1.1 SCOPE. This specification applies to inorganic silicate glass beads with retroreflective properties for use in traffic markings.

NOTE: To enable the manufacturer of the glass beads to meet the requirements of this specification, the purchaser must supply supplementary information. This information is set out in Appendix A.

1.2 APPLICATION. The beads described in this specification are intended for use in traffic markings to improve the visibility of the markings by their reflecting headlight beams from vehicles at night.

NOTE: Guidance in the use of beads in traffic markings is given in Appendix B.

1.3 DEFINITIONS. For the purpose of this specification the following definitions apply:

Drop-on beads—inorganic silicate glass beads having retroreflective properties and intended for application to a wet film of road-marking paint.

Drop-on (flotation) beads—inorganic silicate glass beads having retroreflective properties, and so coated that they achieve a high degree of flotation in wet paint, and intended for application to a wet film of roadmarking paint.

Premix beads—inorganic silicate glass beads having retroreflective properties and intended to be mixed in roadmarking paint before application of the paint.