

AS 1229—1989

DPII ED.

1229—1991 Laundry troughs 15pp EE
Specifies material, construction and installation requirements for laundry troughs manufactured from concrete, pressed-steel, vitreous-enamelled, vitreous china, stainless steel and plastics and composite.
Committee WS3. Supersedes AS 1229—1989. Draft for comment DR 88070.
Publication date 1991-12-16. ISBN 0 7262 7142 X.

Australian Standard®

Laundry troughs



STANDARDS AUSTRALIA



This Australian Standard was prepared by Committee WS/3, Sanitary Plumbing Fixtures. It was approved on behalf of the Council of Standards Australia on 26 January 1989 and published on 13 March 1989.

The following interests are represented on Committee WS/3:

Australian Consumers Association
Australian Chamber of Manufactures
Australian Design and Technology Association
Confederation of Australian Industry
Department of Health, N.S.W.
Department of Local Government, Qld
Engineering and Water Supply Department, S.A.
Housing Industry Association, Australia
Hunter District Water Board
Melbourne and Metropolitan Board of Works
Ministry of Housing and Construction, Vic
Plastics Institute of Australia
Stainless Steel Products Manufacturer's Association
Water Authority of Western Australia
Water Board, Sydney

Review of Australian Standards. To keep abreast of progress in industry, Australian Standards are subject to periodic 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 they are in possession of the latest edition, and any amendments thereto.

Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

Australian Standard®

Laundry troughs

First published as AS A17—1934.
Second edition 1946.
Revised and redesignated AS 1229—1972.
Second edition 1989.

PREFACE

This Standard was prepared by the Standards Australia Committee on Sanitary Plumbing Fixtures to supersede AS 1229—1972, *Laundry troughs*.

It includes requirements for laundry troughs made from concrete, pressed steel vitreous enamelled, vitreous china, stainless steel, plastics and composite materials.

© Copyright — STANDARDS AUSTRALIA

Users of Standards are reminded that copyright subsists in all Standards Australia publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia. Permission may be conditional on an appropriate royalty payment. Requests for permission and information on commercial software royalties should be directed to the Head Office of Standards Australia.

Standards Australia will permit up to 10 percent of the technical content pages of a Standard to be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia.

Standards Australia will also permit the inclusion of its copyright material in computer software programs for no royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia at any time.

CONTENTS

	<i>Page</i>
SECTION 1. SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 APPLICATION	4
1.3 REFERENCED DOCUMENTS	4
1.4 DEFINITIONS	4
1.5 DESIGN	5
1.6 INSTALLATION AND INSTRUCTIONS	5
1.7 MARKING	5
SECTION 2. CONCRETE LAUNDRY TROUGHS	
2.1 GENERAL	11
2.2 MATERIALS AND WORKMANSHIP	11
2.3 PERFORMANCE TEST	11
2.4 FINISH	11
SECTION 3. PRESSED STEEL VITREOUS ENAMELLED LAUNDRY TROUGHS	
3.1 GENERAL	12
3.2 MATERIALS AND WORKMANSHIP	12
3.3 SURFACE QUALITY	12
3.4 BLEMISHES	12
SECTION 4. VITREOUS CHINA LAUNDRY TROUGHS	
4.1 SCOPE OF SECTION	12
4.2 MATERIALS AND WORKMANSHIP	12
4.3 SURFACE QUALITY	12
SECTION 5. STAINLESS STEEL LAUNDRY TROUGHS	
5.1 GENERAL	12
5.2 MATERIALS AND WORKMANSHIP	12
SECTION 6. PLASTICS AND COMPOSITE MATERIALS LAUNDRY TROUGHS	
6.1 GENERAL	13
6.2 MATERIALS AND WORKMANSHIP	13
6.3 PROPERTIES OF FINISHED LAUNDRY TROUGHS	13
6.4 INFORMATIVE LABELLING	13
APPENDIX A RIGIDITY TESTS FOR LAUNDRY TROUGHS	14

STANDARDS AUSTRALIA

Australian Standard
Laundry troughs

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This Standard specifies requirements for materials, construction, workmanship, and finish of laundry troughs. Critical dimensions only are specified.

1.2 APPLICATION. Laundry troughs shall comply with Section 1 and with Sections 2 to 6 as follows:

Section 2. Concrete laundry troughs

Section 3. Pressed steel vitreous enamelled laundry troughs

Section 4. Vitreous china laundry troughs

Section 5. Stainless steel laundry troughs

Section 6. Plastics and composite materials laundry troughs

1.3 REFERENCED DOCUMENTS. The following documents are referred to in this Standard:

AS	
1012	Methods of testing concrete
1012.5	Part 5: Method for the determination of mass per unit volume of freshly mixed concrete
1304	Welded wire reinforcing fabric for concrete
1315	Portland cement
1355	Glossary of terms used in connection with water and sanitary plumbing and drainage installations
1449	Wrought alloy steels—Stiffness and heat-resisting steel plate, sheet and strip
1589	Copper and copper alloy waste fittings
1594	Hot-rolled low carbon steel plate, sheet and strip
1595	Cold-rolled unalloyed low carbon steel sheet and strip
1718	Water supply—Copper alloy screw-down pattern taps—Specified by dimensions
1830	Iron castings—Grey cast iron
1914	Glossary of terms relating to vitreous enamel coatings
1915	Vitreous china for use in sanitary appliances
2219	Methods of test for vitreous enamel coatings
2219.1.5	Part 1.5: Chemical tests—Determination of resistance of vitreous enamel castings to citric acid at room temperature
2758	Aggregates and rock for engineering purposes
2758.1	Part 1: Concrete aggregates
2887	Plastics waste fittings

3558	Methods of testing plastics and composite materials sanitary plumbing fixtures
3558.2	Method 2: Determination of chemical and stain resistance
3558.3	Method 3: Determination of colourfastness
3558.4	Method 4: Determination of resistance to surface scratching
3558.5	Method 5: Determination of degradation by ultraviolet light
3558.7	Method 7: Determination of impact resistance of laundry troughs
3558.8	Method 8: Determination of resistance to thermal shock of laundry troughs
3558.9	Method 9: Determination of thermal distortion of laundry troughs
3558.10	Method 10: Determination of thermal expansion under load of laundry troughs

1718 Water supply—Metal bodied taps—Specified by performance

ISO 505/A Textiles—Tests for colour fastness Part A: General principles

1.4 DEFINITIONS. For the purpose of this Standard, the definitions given in AS 1355 and those below apply.

1.4.1 Bead—a roll or formed edge on one or more sides of the trough which may be used for flashing purposes.

1.4.2 Blister—a bubble formed during fusion of vitreous enamel or plastics composite material which remains after solidification.

1.4.3 Built-in trough—a trough designed with a fascia, tiling flange, or an upstand abutting a wall, or walls.

1.4.4 Bypass—a conduit which carries liquid outside the trough bowl and connects to the waste piping above the trap seal.

1.4.5 Chipping—removal of the enamel or plastics composite coating of a trough by impact.

1.4.6 Clickers—sharp raised black marks.

1.4.7 Cracking—a crack in the entire thickness of the enamel or finished surface of a plastics composite material.

1.4.8 Dimples—slight depressions of the finished surface.

1.4.9 Inset trough—a trough designed with a sealing rim for installation in a bench top.