

Australian/New Zealand Standard™

Laundry troughs and tubs

AS/NZS 1229:2002

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WS-003, Sanitary Plumbing Fixtures. It was approved on behalf of the Council of Standards Australia on 28 September 2001 and on behalf of the Council of Standards New Zealand on 24 August 2001. It was published on 8 February 2002.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION
OF
AS/NZS 1229:2002
Laundry troughs and tubs

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 30 September 2016.

Approved for reconfirmation in New Zealand on behalf of the Standards Council of New Zealand on 13 December 2016.

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NOTES

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Laundry troughs and tubs

Originated as AS A17—1934.
Previous edition AS/NZS 1229:1997.
Fifth edition 2002.

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Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001
and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 4139 8

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS-003, Sanitary Plumbing Fixtures, to supersede AS 1229—1997.

The objective of this revision is to issue it as a Joint Australian/New Zealand Standard and incorporate amendments and additions arising from industry requirements.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard

Laundry troughs and tubs

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for materials, and finish of laundry troughs and tubs. Only critical dimensions are specified. It includes requirements for troughs and tubs made from concrete, pressed steel vitreous enamel, stainless steel, vitreous china, plastic and composite materials.

In New Zealand substitute tub for trough.

1.2 APPLICATION

Laundry troughs shall comply with Section 1 and with Sections 2 to 6, as follows:

- (a) Concrete laundry troughs..... Section 2.
- (b) Pressed-steel vitreous enamel laundry troughs Section 3.
- (c) Vitreous china laundry troughs Section 4.
- (d) Stainless steel laundry troughs..... Section 5.
- (e) Plastics and composite materials laundry troughs Section 6.

NOTE: This Standard should also be read in conjunction with the relevant NZBC Clause, G2 Laundering.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
1304	Welded wire reinforcing fabric for concrete
1449	Wrought alloy steels—Stainless and heat-resisting steel plate, sheet and strip
1589	Copper and copper alloy waste fittings
1976	Vitreous china used 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 coatings 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 colour fastness
3558.4	Method 4: Determination of resistance to surface scratching
3558.6	Method 6: Visual examination of surface finish for defects
3558.7	Method 7: Determination of impact resistance of laundry troughs

AS	
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
3972	Portland and blended cements
AS/NZS	
1595	Cold-rolled unalloyed low carbon steel sheet and strip
3500	National Plumbing and Drainage Code
3500.0	Part 0: Glossary of terms
NZS	
3331	Specification for quality of vitreous china sanitary appliances
3422	Specification for welded fabric of drawn steel wire for concrete reinforcement
NZS/BS	
1449	Steel plate sheet and strip
1449.1	Part 1: Carbon and carbon-manganese plate, steel and strip
ISO	
105	Textiles—Tests for colour fastness
105-A02	Part A02: Grey scale for assessing change in colour
ASTM	
A240/A240M	Heat-resisting chromium and chromium-nickel stainless steel plate, sheet and strip for pressure vessels
JIS	
G4305	Cold rolled stainless steel plates, sheet and strip

1.4 DEFINITIONS

For the purpose of this Standard, the definitions given in AS/NZS 3500.0 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 and composite material that remains after solidification.

1.4.3 Built-in trough

A trough designed with a fascia, tiling flange or an upstand to be installed abutting a wall.

1.4.4 Bypass

A conduit that carries liquid outside the trough bowl and connects to the waste piping above the trap seal.

1.4.5 Cabinet

A free standing bench designed as an integrated support for a trough and which is not part of a built-in bench top.

1.4.6 Chipping

Removal by impact of the enamel or plastics and composite coating of a trough.

1.4.7 Clickers

Sharp raised black marks.

1.4.8 Crazing

A crack in the entire thickness of the enamel coating or the finished surface of a plastic and composite material.

1.4.9 Dimples

Slight depressions of the finished surface.

1.4.10 Inset trough

A trough designed with a sealing rim for installation in a bench top.

1.4.11 Island trough

A trough that is not abutting a wall.

1.4.12 Lift

An area of the base from which the enamel or plastics and composite material has lifted.

1.4.13 Lumps

Raised portions of the finished surface.

1.4.14 Overflow

An arrangement that permits liquids to be discharged to the waste piping above the trap seal before the liquid overflows.

1.4.15 Peeling

Spontaneous detachment of pieces of enamel or plastics composite material from the base material.

1.4.16 Pinhole

A hole that extends through the enamel to the metal base, or in the finished surface of a plastics composite material.

1.4.17 Scale

Raised piece of foreign matter on a finished surface.

1.4.18 Scratching

An elongated indentation that penetrates the finished surface coat of a trough.

1.4.19 Sealing surface

The area of contact between the rim and the bench top capable of being sealed in an approved manner.

1.4.20 Specks

Particles of foreign matter that produce a different colour on a surface.

1.4.21 Tiling flange

An upstand on one or more sides of the trough for flashing purposes.

NOTE: The upstand may be a separate fixture such that when fixed to the trough it should provide a watertight seal between the trough and the junction of any vertical surface.

1.4.22 Trough and Cabinet

A trough on a freestanding cabinet designed as an integrated unit with a tiling flange or an upstand to be installed abutting a wall.