

Australian Standard™

Household sinks

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Australian Association of Certification Bodies
Australian Chamber of Commerce and Industry
Australian Chamber of Manufacturers
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Department of Land and Water Conservation NSW
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS/3, Sanitary Plumbing Fixtures, to supersede AS 1756—1989.

This Standard incorporates Amendment No. 1 (December 2001). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

This Standard is the result of a consensus among representatives on the Joint Committee that it be produced as an Australian Standard.

The objective of this edition is to provide manufacturers with design, finish and material requirements for household sinks.

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

Australian Standard

Household sinks

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for materials, construction, and finish of household sinks, with and without drainers, including inset type sinks and drainer bowls. Critical dimensions only are specified.

1.2 APPLICATION

Household sinks shall comply with Sections 1 to 6 as follows:

- (a) Section 2 Cast iron vitreous enamelled sinks
- (b) Section 3 Pressed steel vitreous enamelled sinks
- (c) Section 4 Vitreous china sinks
- (d) Section 5 Stainless steel sinks
- (e) Section 6 Plastics and composite materials sinks

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
1589	Copper and copper alloy waste fittings
1830	Iron castings—Grey cast iron
1976	Vitreous china for used 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
2887	Plastic 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
3558.5	Method 5: Determination of degradation by ultraviolet light
3558.6	Method 6: Visual examination of surface finish for defects
3558.19	Method 19: Determination of impact resistance of sinks
3558.20	Method 20: Determination of resistance to thermal shock of sinks
3558.21	Method 21: Determination of thermal expansion under load of sinks
3558.22	Method 22: Determination of thermal distortion of sinks
3558.23	Method 23: Determination of resistance to heat of the surface of sinks
3558.24	Method 24: Determination of resistance to hot liquids of the surface of sinks

AS/NZS	
1595	Cold-rolled, unalloyed steel sheet and strip
3500	National Plumbing and Drainage Code
3500.0	Part 0: Glossary of terms
ISO	
105/A	Textiles—Tests for colour fastness Part A: General principles
ASTM	
A240/A240M	Heat-resisting chromium and chromium-nickel stainless steel plate, sheet and strip for pressure vessels.

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 sink which may be used for flashing purposes.

1.4.2 Blister

A bubble formed during the fusion of vitreous enamel or plastics/composite material which remains after solidification.

1.4.3 Built-in sink

A sink designed with a fascia, a tiling flange, or an upstand abutting a wall or walls.

1.4.4 Chipping

Removal of the enamel or plastics coating of a household sink by impact.

1.4.5 Clickers

Sharp, raised black marks.

1.4.6 Crazing

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

1.4.7 Distortion

That which is obvious to the eye without resorting to dimensional checking.

1.4.8 Dimples

Slight depressions of the finished surface.

1.4.9 Inclusions

Embedded foreign material including laminations in the body of the material or the surface finish.

1.4.10 Inset sink

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

1.4.11 Lift

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

1.4.12 Lumps

Raised portions of the finished surface.

1.4.13 Peeling

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

1.4.14 Pinhole

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

1.4.15 Scale

Raised piece of foreign matter on a finished surface.

1.4.16 Scratching

A scratch penetrating the finished surface of a household sink.

1.4.17 Sealing surface

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

1.4.18 Sharp edge

A clearly defined edge, protrusion, corner or point which has the potential to cause injury to the handler or end user.

A1 | 1.4.19 Drainer or bowl

A shallow bowl or tray used for the draining of liquid from crockery, cutlery or food, not intended as a reservoir for water or drained off liquid, and which is provided with unpluggable waste outlet fittings.

A1 | 1.4.19(A) Soap recess

A profiled area designed to retain soap. A soap recess may be fluted, dimpled to aid drying of the soap.

1.4.20 Specks

Particles of foreign matter producing a different colour on a surface.

A1 | 1.4.20(A) Tap landing

An area near a bowl designed to support a tap, tap-set or other fitting.

1.4.21 Tiling flange

An upstand on one or more sides of the sink, used for flashing purposes. The upstand may be a separate fixture, such that when fixed to the sink, which provides a watertight seal between the sink and the junction of any vertical surface.

1.5 DESIGN**1.5.1 Preferred dimensions**

Modular dimensions are preferred for length and width.

A1 | 1.5.2 Sink design

The main bowl of the sink shall be not less than 125 mm deep. Auxiliary bowls and drainers may be provided integral with or for mounting alongside sinks complying with all the specified design features of Section 1. Auxiliary bowls shall have a depth not less than 30 mm. Drainers may be of any depths and may be fluted, dimpled or plain. Overflow outlets shall not be provided. The finished product shall be free of sharp edges.