

AS 1172.8:2022



STANDARDS
Australia



Sanitary plumbing products

Part 8: Household sinks



AS 1172.8:2022

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- Association of Accredited Certification Bodies
- Australian Building Codes Board
- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Australian Stainless Steel Development Association
- CSIRO
- Department of Climate Change, Energy, the Environment and Water
- Institute of Plumbing Australia
- Plastics Industry Pipe Association of Australia
- Plumbing Products Industry Group

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Preface

This Standard was prepared by the Australian members of Joint Standards Australia/Standards New Zealand Committee WS-003, Sanitary Plumbing Fixtures and Fittings, to supersede AS 1756—1999, *Household sinks*.

The objective of this document is to provide manufacturers, importers, suppliers and users with design, finish and material requirements for household sinks.

The major changes in this edition are as follows:

- (a) Inclusion of this Standard in the AS 1172 series of sanitary plumbing standards.
- (b) Removal of prescriptive terminology in the previous Standard.
- (c) Updated descriptions to include current material standards and testing requirements.
- (d) Sinks manufactured from non-vitreous ceramic material have been included.
- (e) Product conformity requirements are included.

The terms “normative” and “informative” are used in Standards to define the application of the appendices to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is only for information and guidance.

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Section 1 Scope and general

1.1 Scope

This document 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 conform to [Section 1](#) and to the section that is relevant for the sink type and material 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](#) — Non-vitreous ceramic sinks.
- (e) [Section 6](#) — Stainless steel sinks.
- (f) [Section 7](#) — Plastics and composite materials sinks.

1.3 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document:

AS 1589, *Copper and copper alloy waste fittings*

AS 1830, *Grey cast iron*

AS 1976, *Vitreous china used in sanitary appliances*

AS 2887, *Plastic waste fittings*

AS 3558.2, *Methods of testing plastics and composite materials sanitary plumbing fixtures, Method 2: Determination of chemical and stain resistance*

AS 3558.3, *Methods of testing plastics and composite materials sanitary plumbing fixtures, Method 3: Determination of colourfastness*

AS 3558.4, *Methods of testing plastics and composite materials sanitary plumbing fixtures, Method 4: Determination of resistance to surface scratching*

AS 3558.5, *Methods of testing plastics and composite materials sanitary plumbing fixtures, Method 5: Determination of degradation by ultraviolet light*

AS 3558.6, *Methods of testing plastics and composite materials sanitary plumbing fixtures, Method 6: Visual examination of surface finish for defects*

AS 3558.19, *Methods of testing plastics and composite materials sanitary plumbing fixtures, Method 19: Determination of impact resistance of sinks*

AS 3558.20, *Methods of testing plastics and composite materials sanitary plumbing fixtures, Method 20: Determination of resistance to thermal shock of sinks*

AS 3558.21, *Methods of testing plastics and composite materials sanitary plumbing fixtures, Method 21: Determination of thermal expansion under load of sinks*

AS 3558.22, *Methods of testing plastics and composite materials sanitary plumbing fixtures, Method 22: Determination of thermal distortion of sinks*

AS 3558.23, *Methods of testing plastics and composite materials sanitary plumbing fixtures, Method 23: Determination of resistance to heat of the surface of sinks*

AS 3558.24, *Methods of testing plastics and composite materials sanitary plumbing fixtures, Method 24: Determination of resistance to hot liquids of the surface of sinks*

AS 3740, *Waterproofing of domestic wet areas*

AS 4023, *Non-vitreous china used in sanitary appliances*

AS/NZS 1595, *Cold-rolled, unalloyed, steel sheet and strip*

AS/NZS 3500.2, *Plumbing and drainage, Part 2: Sanitary plumbing and drainage*

ASTM A240/A240M, *Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications*

ASTM A480, *Standard Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet, and Strip*

1.4 Terms and definitions

For the purpose of this document, the definitions given in AS/NZS 3500.0 and those below apply.

1.4.1

bead

roll or formed edge on one or more sides of the sink which may be used for flashing purposes

1.4.2

blister

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

1.4.3

built-in sink

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

crack in the entire thickness of the enamel coating or finished surface of a plastics or 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**drainer****bowl**

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

1.4.10**inclusions**

embedded foreign material including laminations in the body of the material or the surface finish

1.4.11**inset sink**

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

1.4.12**lift**

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

1.4.13**lumps**

raised portions of the finished surface

1.4.14**may**

indicates the existence of an option

1.4.15**peeling**

spontaneous detachment of pieces of enamel or plastics composite from the base material

1.4.16**pinhole**

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

1.4.17**scale**

raised piece of foreign matter on a finished surface

1.4.18**scratching**

scratch penetrating the finished surface of a household sink

1.4.19**sealing surface**

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

1.4.20**shall**

indicates that a statement is mandatory

1.4.21**sharp edge**

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