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- [Latest updates](#)

  

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## AS 2345-1992 Dezincification resistance of copper alloys

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### Abbreviation

AS 2345-1992

### Valid from

15/06/1992

### Replaces

[AS 2345-1980](#),

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### Information provider

SAI Global

### Author

Standards Australia

### Information type

Australian Standard

### Format

PDF

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### Cited By

[This resource is cited by 3 documents \(show Citations\)](#)

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### Description

This Standard specifies test procedures for determining the resistance of copper-base alloys containing zinc to dezincification. Dezincification resistance is required for alloys used in contact with supply waters and soils.

### Scope

This Standard specifies procedures for determining the resistance of copper-base alloys containing zinc to the form of corrosion termed 'dezincification', in two steps as follows:

- (a) Alloys are categorized into two groups based on their chemical composition which is used to assess their susceptibility to dezincification.
- (b) Alloys assessed to be resistant to dezincification on the basis of chemical composition do not require testing.

Alloys considered to be susceptible can be further evaluated by testing them under accelerated laboratory conditions after the completion of all manufacturing stages. Following this test and where the specified acceptance criteria are met, such alloys can also be regarded as resistant to dezincification.

This Standard also specifies the acceptance criteria for the dezincification resistance of copper/zinc alloy components designed for use in contact with potable water or soils.

Note: Advice and recommendations on information to be supplied by the purchaser at the time of enquiry or order are contained

in Appendix A.

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This document is CITED BY:

- [AS 1357.2-2005](#)

AS 2345-1992 is cited by AS 1357.2-2005 (2015) Valves primarily for use in heated water systems. Part 2: Control valves

- [AS 1589-2001 \(Reconfirmed 2018\)](#)

AS 2345-1992 is cited by AS 1589-2001 (R2018) Copper and copper alloy waste fittings

- [AS 3688-2005](#)

AS 2345-1992 is cited by AS 3688-2005 Water supply - Metallic fittings and end connectors

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