

Menu

- [Home Home](#)
- [About this portal](#)
- [Latest updates](#)

Print [Save](#) Email

[Resource detail](#)

[Citations](#)

AS 2345-2006 (R2016) Dezincification resistance of copper alloys

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Abbreviation

AS 2345-2006 (R2016)

Valid from

13/06/2006

Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

Format

PDF

Cited By

[This resource is cited by 6 documents \(show Citations\)](#)

Description

This Standard specifies procedures for determining the resistance of copper-base alloys containing zinc dezincification.

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.

For assistance with locating previous versions, please contact the information provider.

Standard reconfirmed 14 July 2016

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AS 2345-2006 (R2016) is cited by AS 1357.1-2009 Valves primarily for use in heated water systems - Part 1: Protection valves

- [AS/NZS 2280:2014](#)

AS 2345-2006 (R2016) is cited by AS/NZS 2280:2014 Ductile iron pipes and fittings

- [AS/NZS 2642.3:2008](#)

AS 2345-2006 (R2016) is cited by AS/NZS 2642.3:2008 Polybutylene pipe systems - Mechanical jointing fittings for use with polybutylene (PB) pipes for hot and cold water applications

- [AS/NZS 2845.1:2010](#)

AS 2345-2006 (R2016) is cited by AS/NZS 2845.1:2010 Water supply - Backflow prevention devices - Part 1: Materials, design and performance requirements

- [AS/NZS 3666.1:2011](#)

AS 2345-2006 (R2016) is cited by AS/NZS 3666.1:2011 Air-handling and water systems of buildings - Microbial Control - Design, installation and commissioning

- [AS/NZS 4129:2008](#)

AS 2345-2006 (R2016) is cited by AS/NZS 4129:2008 Fittings for polyethylene (PE) pipes for pressure applications

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Back

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