

Menu

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

Print [Save](#) Email

[Resource detail](#)

[Citations](#)

AS/NZS 4158:2003 Thermal-bonded polymeric coatings on valves and fittings for water industry purposes

Table of Contents

[View on Information Provider website](#)

Abbreviation

AS/NZS 4158:2003

Amendment

Amendment 1 - incorporated, published 29/09/2005.

Valid from

04/03/2003

Information provider

Standards New Zealand

Author

Standards New Zealand, Standards Australia

Information type

New Zealand Standard

Format

PDF

Cited By

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

Description

This Standard specifies the requirements for factory-applied thermal-bonded polymeric corrosion protective coatings (barrier coatings). For the purposes of this Standard, the term polymeric coating is intended to encompass both thermoplastic and thermosetting coating materials, which are used to coat both the internal and external surfaces of valves and fittings.

Scope

This Standard covers the following service application areas:

- (a) Factory-applied coatings and associated coatings used for repair.
- (b) Ductile iron, grey cast iron, malleable iron, steel and copper alloy based substrates.
- (c) Valves, fittings and their components and associated equipment.
- (d) Contact with water, and wastewater up to 50 °C.
- (e) Above and below ground exposure.

Means of demonstrating compliance with this Standard are given in Appendix B.

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

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

This resource is cited by:

AS/NZS 4158:2003 Thermal-bonded polymeric coatings on valves and fittings for water industry purposes

This document is CITED BY:

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

AS/NZS 4158:2003 is cited by AS/NZS 2280: 2014 Ductile iron pipes and fittings

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

AS/NZS 4158:2003 is cited by AS/NZS 2845.1:2010 Water supply - Backflow prevention devices - Part 1: Materials, design and performance requirements

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

AS/NZS 4158:2003 is cited by AS/NZS 4129:2008 Fittings for polyethylene (PE) pipes for pressure applications

Back

AS/NZS 4158:2003 Thermal-bonded polymeric coatings on valves and fittings for water industry purposes

Show what documents this resource is CITED BY

Show what documents this resource CITES

Description

This Standard specifies the requirements for factory-applied thermal-bonded polymeric corrosion protective coatings (barrier coatings). For the purposes of this Standard, the term polymeric coating is intended to encompass both thermoplastic and thermosetting coating materials, which are used to coat both the internal and external surfaces of valves and fittings.

[View on Information Provider website](#)

[AS/NZS 4158:2003 Thermal-bonded polymeric coatings on valves and fittings for water industry purposes](#)

Description

This Standard specifies the requirements for factory-applied thermal-bonded polymeric corrosion protective coatings (barrier coatings). For the purposes of this Standard, the term polymeric coating is intended to encompass both thermoplastic and thermosetting coating materials, which are used to coat both the internal and external surfaces of valves and fittings.

[View on Information Provider website](#)

This resource does not cite any other resources.

AS/NZS 4158:2003 Thermal-bonded polymeric coatings on valves and fittings for water industry purposes

This resource does not CITE any other resources.

Back

Close

Section 1 Scope And General

1.1 Scope

1.2 Referenced Documents

1.3 Definitions

Section 2 Requirements Of The Coating System

2.1 Scope Of Section

2.2 Coating System Specification

2.3 Type Tests

2.4 Coating Material Supply Requirements

2.5 Effect On Water Quality

Section 3 Requirements For Factory-Applied Coating

3.1 Scope Of Section

3.2 Coating System Materials

3.3 Process Verification

3.4 Coating Application And Batch Release

3.5 Rework

Appendix A - Purchasing Guidelines

Appendix B - Means For Demonstrating Compliance With This Standard

Appendix C - Referenced Documents

Appendix D - Specification Of Coating System

Appendix E - Penetration Resistance Test

[Save](#)

[Feedback](#)

- [Contact us](#)
- [Privacy policy](#)

- [Disclaimer](#)
- [Copyright](#)

[Feedback](#)