

AS/NZS 1516:1994

Australian/New Zealand Standard

The cement mortar lining of pipelines in situ



AS/NZS 1516:1994

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WS/9, Rolled and Welded Steel Pipes. It was approved on behalf of the Council of Standards Australia on 16 May 1994 and on behalf of the Council of Standards New Zealand on 12 May 1994. It was published on 15 August 1994.

The following interests are represented on Committee WS/9:

Australian Chamber of Commerce and Industry
 Brisbane City Council
 Department of Primary Industries, Queensland
 Engineering and Water Supply Department, South Australia
 Generation Victoria
 Hobart City Council
 Hunter Water Corporation
 Melbourne Water
 Metal Trades Industry Association of Australia
 New Zealand Manufacturers Federation
 Public Works Department, N.S.W.
 Victorian Water and Sewerage Authorities Association
 Water Authority of Western Australia
 Water Board, Sydney—Illawarra—Blue Mountains

Additional interests participating in preparation of Standard:

Ballarat Water Board

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS/9 on Rolled and Welded Steel Pipes to supersede AS 1516—1980.

This Standard is issued as a Joint Standard under the terms of the Active Cooperation Agreement between Standards Australia and Standards New Zealand.

This Standard complements a suite of Australian Standards which cover the cement mortar lining of pipes and fittings, including:

AS

1281 *Cement mortar lining of steel pipes and fittings*

1631 *Cast iron non-pressure pipes and pipe fittings*

2280 *Ductile iron pressure pipes and fittings*

2544 *Grey iron pressure pipes and fittings*

While the above Standards specify requirements for the cement mortar lining of pipes and fittings in the factory, this Standard may be applied to the cement mortar lining of pipelines in situ, irrespective of the material from which the pipes forming the pipeline are manufactured.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard**The cement mortar lining of pipelines in situ**

1 SCOPE This Standard specifies requirements for the cement mortar lining of pipelines in situ, by spray application. The lined pipelines are intended for the conveyance of wastewater or water intended for human consumption.

NOTES:

- 1 Guidelines to purchasers on information that should be supplied by the purchaser and those variables that should or may be agreed upon at the time of enquiry or order are given in Appendix A.
- 2 Alternative methods for determining compliance with this Standard are given in Appendix B.

2 REFERENCED DOCUMENTS The following documents are referred to in this Standard.

AS

1012	Methods of testing concrete
1012.3	Method 3: Methods for the determination of properties related to the consistence of concrete
1012.20	Method 20: Determination of chloride and sulfate in hardened concrete and concrete aggregates
1141	Methods for sampling and testing aggregates
1199	Sampling procedures and tables for inspection by attributes
1399	Guide to AS 1199—Sampling procedure and tables for inspection by attributes
1478	Chemical admixtures for concrete
1627	Metal finishing—Preparation and pretreatment of surfaces
1627.9	Part 9: Pictorial surface preparation standards for painting steel surfaces
2758	Aggregates and rock for engineering purposes
2758.1	Part 1: Concrete aggregates
3500	National Plumbing and Drainage Code
3500.0	Part 0: Glossary of terms
3799	Liquid membrane-forming curing compounds for concrete
3855	Suitability of plumbing and water distribution systems products for contact with potable water
3900 (NZS 9000)	Quality management and quality assurance standards
3900.1 (NZS 9000.1)	Part 1: Guidelines for selection and use
3904 (NZS 9004)	Quality Management and quality systems elements
3904.1 (NZS 9004.1)	Part 1: Guidelines
3972	Portland and blended cements