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AS/NZS 4765:2017
(Incorporating Amendment No. 1)

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Australian/New Zealand Standard™

Modified PVC (PVC-M) pipes for pressure applications

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AS/NZS 4765:2017

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee PL-021, PVC, ABS and Polyamide Pipe Systems. It was approved on behalf of the Council of Standards Australia on 20 March 2017 and by the New Zealand Standards Approval Board on 4 April 2017.

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The following are represented on Committee PL-021:

Association of Accredited Certification Bodies
Australian Chamber of Commerce and Industry
Energy Networks Association
Engineers Australia
Local Government New Zealand
New Zealand Employers and Manufacturers Association (Central)
Chemistry Australia
Plastics Industry Pipe Association of Australia
Plastics New Zealand
Water New Zealand
Water Services Association of Australia

This Standard was issued in draft form for comment as DR2 AS/NZS 4765:2016.

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Australian/New Zealand Standard™

Modified PVC (PVC-M) pipes for pressure applications

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Preface

This Australian/New Zealand Standard was prepared by Committee PL-021, PVC, ABS and Polyamide Pipe Systems, to supersede AS/NZS 4765:2007.

This Standard incorporates Amendment No. 1 (June 2024). The start and end of changes introduced by the Amendment are indicated in the text by tags including the Amendment number 1.

The objective of this Standard is to outline minimum requirements for the manufacture and performance of PVC-M pipes for pressure applications for use by manufacturers, specifiers and purchasers of these products.

The objective of this revision is to update the Standard and incorporate requirements for Best Environmental Practice PVC.

This Standard is intended to apply to PVC-M pipes that exhibit an enhanced level of toughness and ductility as a consequence of the addition of impact modifiers and provide a consistent means of assessment of quality and performance, together with a common design criterion. A comprehensive series of tests are given with the intention of ensuring PVC-M pipe has a combination of high strength and ductility over a wide range of service conditions.

In the preparation of this Standard, consideration has been given to international best practice.

The test criteria specified applies to pipes at the time of manufacture. Pipes or fittings that have been in service might not meet the same performance requirements.

AS/NZS 5395 sets out the provisions for best environmental practice PVC for PVC-M pressure pipe. These provisions are in accordance with the credit criteria established by the Green Building Council of Australia in their Green Star rating program.

[Text deleted.]

The terms ‘normative’ and ‘informative’ have been used in this Standard 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.

Statements expressed in mandatory terms in notes to Tables and Figures are deemed to be requirements of this Standard.

Notes to text are for information and guidance only.

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