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(Expires 30 March 2004)
(Incorporating Amendment No. 1)

Australian/New Zealand Standard™

Modified PVC (PVC-M) pipes for pressure applications

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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 7 January 2000 and on behalf of the Council of Standards New Zealand on 11 February 2000. It was published on 30 March 2000.

The following are represented on Committee PL-021:

Australian Association of Certification Bodies
Australian Gas Association
Australian Nuclear Science and Technology Organisation
CSIRO — Division of Building, Construction and Engineering
Institution of Engineers, Australia
Master Plumbers Australia
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We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia International or Standards New Zealand at the address shown on the back cover.

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Interim
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Modified PVC (PVC-M) pipes for pressure applications

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PREFACE

This Interim Australian/New Zealand Standard was prepared by Committee PL/21, PVC, ABS and Polyamide Pipe Systems, and is based on the Plastics Institute of New Zealand's Voluntary Manufacturing Standard for Modified PVC (PVC-M) Pipes for Pressure Applications, PINZ 14—1:1997.

This Standard incorporates Amendment No. 1 (October 2002). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The objective of this Interim 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.

This Standard has been developed in consultation with manufacturers in Great Britain and South Africa who are in the process of preparing national Standards or specifications. It 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, the purpose being to provide a consistent means of assessment of PVC-M pipe quality and performance together with a common design criterion.

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

This Standard nominates pipe outside diameters and pressure classes within the ranges listed in AS/NZS 1477 Series 1 and Series 2.

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.

The test criteria specified apply to pipes at the time of manufacture and should not be used to assess the results from tests on pipes or fittings which have been in service.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

The AS 1462 series at the time of publication of this Standard is in the process of a Joint Standards Australia/Standards New Zealand review and will be published as a AS/NZS 1462 series. As these are published the AS 1462 documents referenced in this Standard should be replaced by the equivalent AS/NZS 1462 document.

Statements expressed in mandatory terms in notes to tables are deemed to be requirements of this Standard.

Standards Australia/Standards New Zealand invite comment on this Interim Standard from persons and organizations concerned with the subject. The Joint Committee will monitor all comment as it is received. The date of expiry for comment is nominally 2 years after publication. At that time the Interim Standard will be confirmed, withdrawn or revised in the light of public comment received.

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