STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF
AS/NZS 1462.8:2008
Methods of test for plastics pipes and fittings
Method 8: Method of testing the leaktightness of assemblies

RECONFIRMATION NOTICE

Technical Committee PL-021 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 27 April 2017.

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The following are represented on Technical Committee PL-021:

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AS/NZS 1462.8:2008
Reconfirmed 2017

Australian/New Zealand Standard™

Methods of test for plastics pipes and fittings

Method 8: Method of testing the leaktightness of assemblies

METHOD

1 SCOPE

This Standard specifies a method for testing the leaktightness of assemblies of plastics pipes and fittings with elastomeric sealing-ring socket joints or inspection openings that may be subject to diametric distortion and/or angular deflection. It includes, but is not limited to—

(a) single sockets on pipes,

(b) double sockets,

(c) sockets on fittings, and

(d) inspection openings on fittings.

It is also applicable to elastomeric sealing-ring sockets made of other materials, e.g. ductile iron, intended for use with plastics piping.

2 PRINCIPLE

A joint assembly, such as a test piece consisting of a plastics pipe mounted into an elastomeric seal socket, is subjected, within a specified temperature range, to a specified internal positive or negative pressure regime for a specified test period during which the pipe may also be subject to an angular deflection and/or diametric distortion. While under pressure (positive or negative), the test piece is monitored for signs of leakage.

3 SYMBOLS AND DEFINITIONS

For the purposes of this Standard the following symbols and definitions apply:

d_{em} = mean outside diameter of the pipe, in millimetres

d_{im} = mean inside diameter of the socket, in millimetres

d_n = nominal outside diameter of the pipe, in millimetres

4 APPARATUS

4.1 Test rig

Where angular deflection is specified, the test rig shall consist of at least two fixing devices, one of which may be movable, to allow angular deflection to be applied to the test joint while pressure, either positive or negative, is being applied. In addition provision should be made for applying diametric distortion to the test specimen. Distortion shall be applied via the use of flat plates (see Figure 1). For pressure testing of inspection openings, end-closures are required (see Figures 2 and 3).

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