

STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 2888.3—2002

Methods of testing plastics waste fittings

Method 3: Method for pressure testing of plastics waste fittings

RECONFIRMATION NOTICE

Technical Committee PL-006 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.

The following are represented on Technical Committee PL-006:

Association of Accredited Certification Bodies

Australian Building Codes Board

Energy Networks Australia

Engineers Australia

New Zealand Employers and Manufacturers Association (Central)

Plastics Industry Pipe Association of Australia

Plastics New Zealand

Plumbing Products Industry Group

Water New Zealand

Water Services Association of Australia

NOTES

Methods of testing plastics waste fittings

Method 3: Methods for pressure testing of plastics waste fittings

1 SCOPE

This Standard sets out two methods for pressure testing a plastics waste fitting to establish whether the fitting body is sound, viz hydrostatic pressure and internal air pressure.

2 REFERENCED DOCUMENTS

The following standard is referred to in this standard:

AS

1349 Bourdon Tube Pressure and Vacuum Gauges

3 HYDROSTATIC PRESSURE TEST

3.1 Apparatus

The following apparatus is required:

- (a) *Pressurizing system* A pressurizing system capable of producing the specified test pressure without shock or pulsations.

NOTE: An hydraulic accumulator or pump may be used for this purpose.

- (b) *End connections* The test specimen shall be supported and held in a suitable jig. Openings shall be sealed by means of threaded caps or plugs or a suitable rubber sealing medium, set in plates or plugs located against the ends or in the socket at a depth no greater than 25% of the total socket length. Pressure shall be applied through one of the plugs.

NOTE: External clamping forces may be applied to the fitting to hold the sealing plates or plugs.

- (c) *Pressure gauge.* An industrial pressure gauge of 150 mm minimum diameter, complying with requirements of AS 1349 and capable of indicating the required test pressure to within $\pm 2\%$ of the true value.

NOTE: Digital or analogue pressure gauges which can be shown to provide the required indicating capabilities and have accuracy characteristics at least equal to industrial gauges complying with AS 1349, may be used.

3.2 Test specimen

The test specimen shall be the body of a plastics waste fitting.

3.3 Conditioning and testing

For referee tests the test specimen shall be conditioned in air at a temperature of $20 \pm 2^\circ\text{C}$ for a minimum of 24 h prior to testing in the same controlled environment. For routine tests, the test specimen may be tested at ambient conditions, but not exceeding 38°C .