

Australian Standard™

AS 2888.7

Methods of testing plastics waste fittings

Method 7: Method for testing the seal of plastics waste outlets

1 SCOPE

This Standard sets out the method for testing the hydrostatic sealing ability of plastics waste outlets.

2 APPARATUS

The following apparatus is required:

- (a) A device to accommodate the flange of the waste outlet and on which the waste outlet can be installed.
- (b) A water storage vessel at least equal in cross-sectional area to that of the outer flange shape of the waste outlet, and capable of containing water to a height of 1.00 +0.01, –0 m above the level of the flange.

3 TEST SPECIMEN

Each test specimen shall consist of a complete waste outlet fitting.

4 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 .

5 PROCEDURE

The procedure shall be as follows:

- (a) Assemble waste outlet into the accommodating device and close the plug system.
- (b) Apply a hydrostatic head as specified in the relevant fitting standard measured from the highest level of the flange using water at ambient temperature. Maintain the head for the period specified in the relevant fitting standard.
- (c) At the completion of this period examine the plug system or fitting for leaks or structural failure.
- (d) Repeat steps (b) and (c) above using water at 80 ± 5 , -0°C . The water need only be at the specified temperature when it is initially applied to the waste outlet.

6 REPORT

The report shall include the following:

- (a) Size and configuration of fitting tested.
- (b) Hydrostatic head applied and the period for which it was maintained.

- (c) Any leaks or structural failure with water at ambient temperature.
- (d) Any leaks or structural failure with water at 80°C.
- (e) The number of this Australian Standard, i.e., AS 2888.7.