

STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 3558.17—1999

Methods of testing plastics and composite materials sanitary plumbing fixtures

Method 17: Determination of impact resistance of shower bases and shower

modules

RECONFIRMATION NOTICE

Technical Committee WS-003 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 30 September 2016.

The following are represented on Technical Committee WS-003:

Association of Accredited Certification Bodies
Australian Chamber of Commerce and Industry
CSIRO
Department of Agriculture and Water Resources (Australian Government)
Plastics New Zealand
Plumbing Distributors Association of New Zealand
Plumbing Products Industry Group
Testing Interests (Australia)

NOTES

Methods of testing plastics and composite materials sanitary plumbing fixtures

Method 17: Determination of impact resistance of shower bases and shower modules

1 SCOPE

This Standard sets out a method for determining the impact resistance of plastics shower bases and shower modules.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1680 Interior lighting

1680.1 Part 1: General principles and recommendations

3558 Methods of testing plastics and composite materials sanitary plumbing fixtures

3558.6 Method 6: Visual examination of surface finish for defects

3 PRINCIPLE

A steel ball is dropped from predetermined heights once only on each of the following surfaces:

- (a) Three different internal bottom surface areas.
- (b) Step entrance to shower surface area.
- (c) Three different internal wall surface areas.
- (d) Three different external bottom surface areas.

The shower base or shower module is then inspected for fracture.

4 APPARATUS

The following apparatus is required:

- (a) A steel ball 38 ± 0.5 mm in diameter, having a mass of 225 ± 5 g.
- (b) A device that will permit the ball to drop freely and vertically from heights of $300 + 50, -0$ mm and $750 + 50, -0$ mm.
- (c) Household detergent.

5 PROCEDURE

The procedure shall be as follows:

- (a) Thoroughly degrease the surface of the shower base (or shower module) using household detergent.