

Australian/New Zealand Standard™

**Masonry units, segmental pavers and flags—
Methods of test****Method 16: Determining permeability to water**

This Standard incorporates Amendment No. 1 (August 2004). 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.

1 SCOPE

This Standard sets out a method for determining the permeability to water of masonry units.

NOTE: This test is normally used for assessing the characteristics of units to be used in single leaf masonry.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS/NZS

4456	Masonry units, segmental pavers and flags—Methods of test
4456.0	Part 0: General introduction and list of methods
4456.1	Method 1: Sampling for testing

3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS/NZS 4456.0 apply.

4 PRINCIPLE

A unit is subjected to a measured head of water in a cylinder sealed to the face of the unit. The passage of water through the unit over a measured time is used to determine the permeability.

NOTE: The intention of this test is to give an indication of the permeability to liquid water through the face of the unit tested. It does not necessarily give an indication of the potential passage of water through a wall.

5 APPARATUS

A rigid metal cover, which shall be sealed to the face of a unit. The cover shall be fitted with a cylinder of transparent glass or plastic with an internal diameter of 60 ± 2 mm, graduated in millimetres, by means of which a head of water can be applied to the face of the unit. A deemed-to-comply apparatus is shown schematically in Figure 1.

NOTE: For products that cannot be accommodated in the apparatus shown in Figure 1, a modified apparatus may be used provided that the permeability is calculated from the equation given in Clause 7(d).