

Australian Standard™

AS 4046.5

Methods of testing roof tiles**Method 5: Determination of permeability**

PREFACE

This Standard incorporates Amendment No. 1 (January 2006). 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.

METHOD

1 SCOPE

This Standard sets out the method to determine the permeability of roof tiles.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
2049	Roof tiles
4046	Method of testing roof tiles
4046.1	Method 1: Determination of distortion

3 PRINCIPLE

A tile is used as the bottom of a container holding water for a given period of time to ascertain if water penetrates to the underside of the tile.

4 APPARATUS

The following apparatus is required:

- (a) A form, as shown in Figure 1(a), with its lower edges shaped approximately to the profile of the face of the tile and so dimensioned that when the form is sealed to the tile it will enclose an area of tile surface, as follows:

- (i) Plain tiles, not less than 25 000 mm².
(ii) Other than plain tiles, not less than 50 000 mm².

Alternatively, a form as shown in Figure 1(b) may be used, in which the whole tile is sealed around its perimeter.

A1