Australian/New Zealand Standard™

Masonry units, segmental pavers and flags—Methods of test

Method 5: Determining the breaking load of segmental pavers and flags

This Standard incorporates Amendment No. 1 (August 2004) and Amendment No. 2 (September 2009). 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 the method for determining the breaking load of segmental pavers and flags.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
2193	Methods for calibration and classification of force-measuring systems
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
4456.2	Method 2: Assessment of mean and standard deviation
BS EN ISO	
7500-1	Metallic materials. Verification of static uniaxial testing machines. Tension/compression testing machines. Verification and calibration of the force-measuring system.

3 DEFINITIONS

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

4 PRINCIPLE

A whole segmental paver or flag is placed with its wearing face supported by a bar at each end. A load is applied through another bar on the centre of the top face. The load is increased until the unit fails. The maximum load is the breaking load of the unit.

5 APPARATUS

The following is required:

(a) For compliance testing, a testing machine that complies with the requirements for Grade A or Grade B machines given in AS 2193 or Grade 0.5, 1.0 or 2.0 machines to BS EN ISO 7500-1. Grade C machines are acceptable for quality assurance purposes.