

**Sandstone Paving**

1) Performance Specification:

Compressive Strength	Minimum 27.6 Mpa (Dry & Wet)	Tested by Std ASTM C99
Modulus of Rupture	Minimum 2.4 Mpa (Dry & Wet)	Tested by Std ASTM C99
Abrasion Resistance	Minimum of Ha 2	Tested by Std ASTM C1353
Moisture Absorption by Weight	Max 8% by weight	Tested by Std ASTM C97
Density	Minimum 2003 kg/cum	Tested by Std ASTM C97

2) Testing of Paving:

All proposed paving must have test results to confirm the above properties are fulfilled. Testing to be irrespective of orientation and be performed on exfoliated finished samples. The required methods and standards of testing are:

ASTM Standards:

C97/C97M	<i>Test methods for absorption and bulk specific gravity of dimension stone.</i>
C99/C99M	<i>Test method for modulus of rupture of dimension stone.</i>
C119	<i>Terminology relating to dimension stone.</i>
C170/C170M	<i>Test method for compressive strength of dimension stone.</i>
C241/C241M	<i>Test method for abrasion resistance of stone subjected to foot traffic.</i>
C880/C880M	<i>Test method for flexural strength of dimension stone.</i>
D7102	<i>Test method –intact rock core specimens.</i>

Australian Standards:

AS4456.5-2003	<i>Masonry units and segmental pavers and flags - Methods of test - Determining the breaking load of segmental pavers and flags</i>
AS4586-2004	<i>Slip resistance classification of new pedestrian surface materials</i>

3) Approval of Test Results:

The appropriate specimens should be prepared from the supplied samples and the above test work completed prior to supply of paving.

4) Use of Sandstone, Natural Stone and other non-standard paving materials:

Sandstone, Natural Stone and paving materials that are not included in the City of Perth Design and Construction Notes must be approved by the City of Perth. Prior to submission for approval, a sample shall be prepared and all required tests carried-out. The tests required shall be determined through consultation with the City of Perth.