



City of Perth

Design and Construction Note

401.00

Standard Kerb Types and Installation Details

Granite Kerb

Material Specification

Reviewed: 17/10/2018

Granite Kerbs

1) Performance Specification:

Bulk Specific Gravity	Minimum 2.7 t/m ³	Tested by Std ASTM C97
Water Absorption (mean)	(% by weight) 0.12%	Tested by Std ASTM C97
Modulus of Rupture (Dry)	15MPa	Tested by Std ASTM C99
Modulus of Rupture (Soaked)	12Mpa	Tested by Std ASTM C99
Compressive Strength	140MPa	Tested by Std ASTM C99
Slip resistance	Minimum - W rating	

Granite Kerbs must comply with the minimum specification requirements as set out in *ASTM C615/C615M-11 - Standard Specification for Granite Dimension Stone*.

2) Testing of Paving:

All proposed kerbs 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:

AS4586-2004	<i>Slip resistance classification of new pedestrian surface materials</i>
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3) Approval of Test Results:

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