

MODULUS OF RUPTURE Test Certificate

TEST METHOD ASTM C99M-15
TEST DATE 16-Nov-17
CLIENT Hanson Australia Pty Ltd
OUR REFERENCE HAN1117-1
SAMPLE Kanmantoo Bluestone
FINISH IN TENSION Sawn
SAMPLE ORIGIN Kanmantoo SA
SAMPLING DATE 1/11/2017 **SAMPLE LOCATION** Not Known
SHAPE and NOMINAL SIZE Prism: 100x200x60 mm
LOADING ORIENTATION Perpendicular to Bedding

Conditioning: Dried for minimum 48 hours @ 60 deg C

Test Number	Specimen Identification	Span (mm)	Test Condition	Width (mm)	Thickness (mm)	Max. Load (Newtons)	Dried Strength (MPa)
M8884	S91/11	180	Dried	101.6	60.0	5180	3.8
M8885	S91/12	180	Dried	108.2	61.3	32650	21.7
M8886	S91/13	180	Dried	105.5	54.7	5220	4.5
M8887	S91/14	180	Dried	105.9	63.0	16880	10.8
M8888	S91/15	180	Dried	93.3	59.9	17760	14.3

MEAN DRIED MODULUS of RUPTURE (MPa): **11.0 ± 0.1** (U_{95})

Standard Deviation: **7.4**

Conditioning: Soaked for 48 hours @ 22 deg C

Test Number	Specimen Identification	Span (mm)	Test Condition	Width (mm)	Thickness (mm)	Max. Load (Newtons)	Soaked Strength (MPa)
M8889	S91/16	180	Soaked	104.5	55.4	33790	28.5
M8890	S91/17	180	Soaked	102.7	56.5	32150	26.4
M8891	S91/18	180	Soaked	108.0	57.2	7470	5.7
M8892	S91/19	180	Soaked	104.4	57.6	12980	10.1
M8893	S91/20	180	Soaked	108.2	56.6	30000	23.4

MEAN SOAKED MODULUS of RUPTURE (MPa): **18.8 ± 0.2** (U_{95})

Standard Deviation: **10.2**

NOTE: The expanded measurement uncertainty values (U_{95}) quoted in this report are at a confidence level of 95 % with a nominal coverage factor of 2. These values do not include any estimate of the effects associated with sampling.

COMMENTS/VARIATIONS Specimens S91/11, S91/13, S91/18, S91/19 failed along veins.

TESTED BY: Graham Baggs

APPROVED SIGNATORY:

NAME: Graham J Baggs

ISSUE DATE: 22-Nov-17




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