



BRICK & MORTAR RESEARCH LABORATORY

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NATA Accredited Laboratory No 658

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TEST CERTIFICATE NO 8000

DATE: 3/8/11

EVALUATION OF BASALT

CLIENT: J&P Stone Imports
4 Galloway Ct
Highton Vic 3216

SAMPLE: Chinese basalt

SAMPLER: Client

RECEIVED: 11/7/11

DATE OF TESTING: 18 July to 2 August 2011

TEST

METHOD OF TEST

Determination of:

Breaking load
Abrasion resistance
Slip resistance classification of new
pedestrian surface materials

AS/NZS 4456.5-2003
AS/NZS 4456.9-2003
AS/NZS 4586-2004 Appendix A

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Stuart Errey
MRACI, C Chem
Manager

BREAKING LOAD

Specimen dimensions: 300 x 300 x 30 mm.
Orientation of the specimens: inverted.
Span between support bars: 250 mm.

Specimen no	Breaking load, kN	Specimen no	Breaking load, kN
1	11.1	6	12.2
2	9.2	7	12.6
3	10.0	8	12.1
4	8.4	9	8.1
5	9.6	10	4.7

Mean breaking load: 9.8 kN
Unbiased standard deviation: 2.4 kN

Specimen dimensions: 300 x 300 x 20 mm.
Orientation of the specimens: inverted.
Span between support bars: 250 mm.

Specimen no	Breaking load, kN	Specimen no	Breaking load, kN
11	6.3	16	6.3
12	5.7	17	6.8
13	4.6	18	6.6
14	5.0	19	5.6
15	7.5	20	7.8

Mean breaking load: 6.2 kN
Unbiased standard deviation: 1.0 kN

ABRASION RESISTANCE

Specimen no	Abrasion index	Specimen no	Abrasion index
1	2.6	11	1.6
2	2.4	12	2.5
4	2.3	13	2.8
5	2.5	14	2.2
6	2.6	15	1.8
7	2.7	16	2.2
8	2.1	19	1.9
10	2.6	20	1.8

Mean abrasion index: 2.3
Unbiased standard deviation: 0.4

SLIP RESISTANCE OF NEW PEDESTRIAN SURFACES

Type of test: Unfixed test specimens
Location of test: Summerhill Test rubber: TRL
Laboratory temperature: 23°C (The results have been temperature-corrected to 20°C)

Description of surface: Honed

Specimen no.	16	17	18	19	20
British Pendulum No.	47	45	50	47	46

Mean British Pendulum No.: 47 Classification: V

Contribution of the floor surface to the risk of slipping when wet: very low. *

Description of surface: Sawn

Specimen no.	11	12	13	14	15
British Pendulum No.	71	66	79	80	74

Mean British Pendulum No.: 74 Classification: V

Contribution of the floor surface to the risk of slipping when wet: very low. *

* Note: This explanation of Classification V is from AS/NZS 4586-1999.