



SUSTAINABLE AGGREGATES

SOUTH AUSTRALIA

Specification Compliance

SOUTH AUSTRALIA

Part 215 Master Road Specification PM1, PM2, PM 3

PARTICLE SIZE DISTRIBUTION	PM1/20	PM2/20	PM3/20	TYPICAL RESULT
Sieve size (mm)	Percent Finer	Percent Finer	Percent Finer	
26.5	100	100	100	100
19	95-100	90-100	90-100	98
13.2	77-93	74-96		87
9.5	63-83	61-85		70
4.75	44-64	42-66	40-65	56
2.36	29-49	28-50		35
0.43	13-23	11-27		20
0.08	5-11	4-14	5-15	7
ATTERBERG LIMITS				
Liquid Limit (LL)	max 25%	max 28%	35	25
Plasticity Index (PI)	1%-6%	1%-8%	15	2
Linear Shrinkage (LS)	max 3%	max 4%	8	1
LOS ANGELES ABRASION				
	max 30	max 45	max 45	37
FOREIGN MATERIALS				
High density materials, brick, glass	20	20	20	
Low density materials such as plastic, rubber, plaster, clay lumps and other friable material	max 1%	max 1%	max 1%	OK
Wood and other vegetable or decomposable matter	max 0.5%	max 0.5%	max 0.5%	OK
Bitumen Content	max 1%	max 1%	max 1%	Nil

Founding Partners:



SUSTAINABLE AGGREGATES

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VICTORIA

Section 820 Light Duty Basecourse CC2, CC3, CC4

PARTICLE SIZE DISTRIBUTION	CC2	CC3	CC4	TYPICAL RESULT
Sieve size (mm)	Percent Finer	Percent Finer	Percent Finer	
26.5	100	100	100	100
19	95-100	95-100		98
13.2	78-92	75-95		87
9.5	63-83	60-90		70
4.75	44-64	42-76		56
2.36	30-48	28-60	42-76	35
0.43	13-21	10-28	10-28	20
0.08	5-9	2-10	2-10	7
ATTERBERG LIMITS				
Liquid Limit (LL)	35	35	40	25
Plasticity Index (PI)	6	10	20	2
LOS ANGELES ABRASION				
	max 35	max 40	max 45	37
CALIFORNIA BEARING RATIO (CBR)				
	min 100	min 80	min 20	120
FOREIGN MATERIALS				
High density materials such as metal, brick and glass	2	3	5	
Low density materials such as plastic, rubber, plaster, clay lumps and other friable material	0.5	1	3	OK
Wood and other vegetable or decomposable matter	0.1	0.2	0.5	OK

Founding Partners:



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NEW SOUTH WALES

Specification R1, R2 (2009 greenspec)

PARTICLE SIZE DISTRIBUTION	R1	R2	TYPICAL RESULT
Sieve size (mm)	Percent Finer	Percent Finer	
26.5	100	100	100
19	95-100	85-100	98
13.2	70-90	70-90	87
9.5			
6.7	50-70	45-70	60
4.75			
2.36	35-55	30-55	35
0.43	10-30	10-30	20
0.08	5-15	5-15	7
ATTERBERG LIMITS			
Liquid Limit (LL)	27		25
Plasticity Index (PI)	5		2
STRENGTH CHARACTERISTICS			
Wet Strength	min 70	min 50	57
Wet Dry Strength variation	max 35	max 40	23
Max Dry Compressive Strength	min 1.7	min 1.0	2.4
Unconfined compressive strength	max 1.5	max 1.5	0.5
FOREIGN MATERIALS			
Metal, glass and ceramics	3	5	
Plaster, clay lumps and other friable materials	0.2	0.2	
Rubber, plastic, bitumen, paper, cloth, paint, wood and other vegetable matter	0.1	0.1	

Founding Partners:



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SOUTH AUSTRALIA

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WESTERN AUSTRALIA		
PARTICLE SIZE DISTRIBUTION	LIMITS	TYPICAL RESULT
Sieve size (mm)	Percent Finer	Percent Finer
26.5	100	100
19	71-100	98
13.2		
9.5		
6.7		
4.75	36-65	56
2.36		
0.43		
0.08	2-14	7
ATTERBERG LIMITS		
Liquid Limit (LL)	45	25
Plasticity Index (PI)		2
Linear Shrinkage	4	
STRENGTH CHARACTERISTICS		
California Bearing ratio (CBR)	min 50	120
Unconfined compressive strength	max 1.0	0.5
FOREIGN MATERIALS		
High Density Materials (brick, glass, etc)	15	
Low Density Materials (plastic, plaster, etc)	3	
Wood and other vegetable matter	1	

Founding Partners: