



2019

**Product Data Sheet
Plant: Lawyers Road**

I. GEOLOGICAL FORMATION: ARCH MARBLE

II. CHEMICAL ANALYSIS (February 2019) :

Silica	as SiO ₂	4.6%	Calcium	as CaO	44.2%	CaCO ₃	74.0%
Iron	as Fe ₂ O ₃	1.7%	Magnesium	as MgO	2.4%	MgCO ₃	5.0%
Aluminum	as Al ₂ O ₃	12.9%	Calcium Carbonate Equiv.	CCE			79.0%
Sulfur	as S	0.1%					

III. QUALITY DATA:

			Product									
TEST	TEST DATE		3	357	57	W 57	68	78	8/8P	9	Sand	10
* SPECIFIC GRAVITY *												
BULK (ASPHALT)	01/19		2.736	2.720	2.704	2.719	2.712	2.716	2.711	2.663	2.687	2.671
BULK - SSD (CONCRETE)	01/19		2.742	2.729	2.717	2.729	2.726	2.729	2.727	2.700	2.710	2.699
APPARENT	01/19		2.752	2.747	2.738	2.746	2.750	2.753	2.755	2.765	2.749	2.748
% ABSORPTION	01/19		0.2%	0.4%	0.5%	0.4%	0.5%	0.5%	0.6%	1.4%	0.8%	1.1%
DRY RODDED (LBS/CUBIC FT)												
DRY RODDED (LBS/CUBIC FT)	01/19		97.3	97.8	99.9	100.0	100.6	97.3	94.7	95.1	101.4	113.1
DRY RODDED (LBS/CUBIC YARD)	01/19		2627	2641	2697	2700	2716	2627	2557	2568	2738	3054
DRY RODDED (% VOIDS)	01/19		42.5%	42.3%	40.8%	41.0%	40.6%	42.6%	44.0%	42.8%	39.5%	31.9%
DRY RODDED (Kg/Cubic Meter)	01/19		1559	1567	1600	1602	1611	1559	1517	1523	1624	1812
VTM-5 % VOIDS IN STONE SAND	01/19										54.4%	55.9%
ASTM C1252 % VOIDS (METH B)	01/19										53.0%	54.5%
ASTM C1252 % VOIDS (METH C)	01/19										44.8%	43.3%
ASTM D4791 % F & E (3:1)	01/19			52.8%	26.8%	25.3%	25.3%	36.1%	17.1%			
GRADING A % LOSS												
GRADING A % LOSS	01/19	24.6%										
GRADING B % LOSS												
GRADING B % LOSS	01/19	24.3%										
GRADING C % LOSS												
GRADING C % LOSS	01/19	25.4%										
SOUNDNESS % LOSS (Magnesium Sulfate)	01/19		0.6%	0.6%	0.6%	0.4%	0.6%	0.7%	0.7%	2.9%	11.3%	8.4%
SOUNDNESS % LOSS (Sodium Sulfate)												
Stone (lb/sq yd)												
Stone (lb/sq yd)												
Emulsion (gal/sq yd)												
Emulsion (gal/sq yd)												
* SUPERPAVE *												
ASTM C1252 % VOIDS (METH A)	01/19										50.3%	48.7%
AASHTO T 176 SAND EQUIVALENT	01/19										91	68
ASTM D4791 % F & E (5:1)	01/19			11.3%	1.8%	0.4%	2.3%	2.7%	0.3%			