



2023

**Product Data Sheet
Plant: Lawyers Road**

I. GEOLOGICAL FORMATION: ARCH MARBLE

II. CHEMICAL ANALYSIS (3/2023) :

Silica	as SiO ₂	18.5%	Calcium	as CaO	39.7%	CaCO ₃	64.0%
Iron	as Fe ₂ O ₃	4.2%	Magnesium	as MgO	2.8%	MgCO ₃	7.0%
Aluminum	as Al ₂ O ₃	4.8%	Calcium Carbonate Equiv.	CCE			71.0%
Sulfur	as S						

III. QUALITY DATA:			Product									
TEST	TEST DATE		3	357	57	W 57	68	78	8/8P	9	Sand	10
* SPECIFIC GRAVITY *												
BULK (ASPHALT)	2/23		2.715	2.705	2.710	2.702	2.712	2.703	2.719	2.690	2.690	2.692
BULK - SSD (CONCRETE)	2/23		2.724	2.717	2.722	2.715	2.724	2.716	2.733	2.711	2.705	2.717
APPARENT	2/23		2.740	2.739	2.743	2.737	2.743	2.739	2.757	2.749	2.731	2.761
% ABSORPTION	2/23		0.3%	0.5%	0.5%	0.5%	0.4%	0.5%	0.5%	0.8%	0.6%	0.9%
* SUPERPAVE *												
ASTM C1252 % VOIDS (METH A)	2/23										50.6%	48.9%
AASHTO T 176 SAND EQUIVALENT	2/23										94	66
ASTM D4791 % F & E (5:1)	2/23				3.2%	3.0%	3.1%	3.2%	4.4%			
ASTM D5821 % FRACTURE FACES	2/23											
* GRADING LOSS *												
GRADING A % LOSS	2/23	21.1%										
GRADING B % LOSS	2/23	20.4%										
GRADING C % LOSS	2/23	21.2%										
* SOUNDNESS LOSS *												
SOUNDNESS % LOSS (Magnesium Sulfate)	2/23		0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.5%	2.7%	3.7%	2.9%
SOUNDNESS % LOSS (Sodium Sulfate)	2/23											
* DRY RODDED *												
DRY RODDED (LBS/CUBIC FT)	2/23		97.2	96.5	98.8	100.0	100.2	95.0	95.2	96.7	108.0	116.0
DRY RODDED (LBS/CUBIC YARD)	2/23		2624	2606	2668	2700	2705	2565	2570	2611	2916	3132
DRY RODDED (% VOIDS)	2/23		42.6%	42.8%	41.6%	40.7%	40.8%	43.7%	43.9%	42.4%	35.7%	30.9%
DRY RODDED (Kg/Cubic Meter)	2/23		1557	1546	1583	1602	1605	1522	1525	1549	1730	1858
VTM-5 % VOIDS IN STONE SAND	2/23										42.9%	44.2%
ASTM C1252 % VOIDS (METH B)	2/23										54.8%	53.5%
ASTM C1252 % VOIDS (METH C)	2/23										42.3%	41.8%
ASTM D4791 % F & E (3:1)	2/23				16.7%	17.2%	14.4%	18.5%	24.3%			