



2024

**Product Data Sheet
Plant: Lawyers Road**

I. GEOLOGICAL FORMATION: ARCH MARBLE

II. CHEMICAL ANALYSIS (5/24) :

Silica	as SiO ₂	6.4%	Calcium	as CaO	48.6%	CaCO ₃	79.0%
Iron	as Fe ₂ O ₃	0.9%	Magnesium	as MgO	2.7%	MgCO ₃	11.0%
Aluminum	as Al ₂ O ₃	2.0%	Calcium Carbonate Equiv.	CCE			80.0%
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)	3/24		2.727	2.717	2.720	2.716	2.716	2.714	2.718	2.690	2.696	2.695
BULK - SSD (CONCRETE)	3/24		2.736	2.729	2.727	2.727	2.727	2.729	2.736	2.708	2.712	2.709
APPARENT	3/24		2.751	2.752	2.739	2.745	2.747	2.756	2.768	2.740	2.740	2.733
% ABSORPTION	3/24		0.3%	0.5%	0.3%	0.4%	0.4%	0.6%	0.7%	0.7%	0.6%	0.5%
DRY RODDED (LBS/CUBIC FT)												
DRY RODDED (LBS/CUBIC FT)	3/24		93.6	98.4	103.4	100.0	100.6	95.6	93.8	97.3	104.3	112.7
DRY RODDED (LBS/CUBIC YARD)	3/24		2527	2657	2792	2700	2716	2581	2533	2627	2816	3043
DRY RODDED (% VOIDS)	3/24		45.0%	42.0%	39.1%	41.0%	40.6%	43.6%	44.7%	42.0%	38.0%	33.0%
DRY RODDED (Kg/Cubic Meter)	3/24		1499	1576	1656	1602	1611	1531	1503	1559	1671	1805
VTM-5 % VOIDS IN STONE SAND	3/24										43.8%	43.4%
ASTM C1252 % VOIDS (METH B)	3/24										54.1%	54.4%
ASTM C1252 % VOIDS (METH C)	3/24										43.3%	40.6%
ASTM D4791 % F & E (3:1)	3/24				13.0%	20.3%	16.4%	29.3%	22.1%			
GRADING												
GRADING A % LOSS	3/24	26.0%										
GRADING B % LOSS	3/24	24.0%										
GRADING C % LOSS	3/24	24.3%										
SOUNDNESS												
SOUNDNESS % LOSS (Magnesium Sulfate)	3/24		0.5%	0.5%	0.5%	0.6%	0.5%	0.5%	0.5%	1.5%	5.2%	5.4%
SOUNDNESS % LOSS (Sodium Sulfate)	3/24											
* SUPERPAVE *												
ASTM C1252 % VOIDS (METH A)	3/24										50.8%	49.3%
AASHTO T 176 SAND EQUIVALENT	3/24										96	73
ASTM D4791 % F & E (5:1)	3/24				1.5%	2.4%	1.4%	4.3%	1.8%			
ASTM D5821 % FRACTURE FACES	3/24		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%			