



2025

Product Data Sheet
Plant: Lawyers Road

I. GEOLOGICAL FORMATION: ARCH MARBLE

II. CHEMICAL ANALYSIS (MARCH 2025) :

Silica	as SiO ₂	7.2%	Calcium	as CaO	49.0%	CaCO ₃	78.0%
Iron	as Fe ₂ O ₃	0.9%	Magnesium	as MgO	2.0%	MgCO ₃	9.0%
Aluminum	as Al ₂ O ₃	2.5%	Calcium Carbonate Equiv.	CCE			85.0%
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)	12/24		2.724	2.721	2.726	2.716	2.724	2.709	2.720	2.704	2.701	2.699
BULK - SSD (CONCRETE)	12/24		2.731	2.732	2.736	2.726	2.733	2.721	2.737	2.724	2.721	2.723
APPARENT	12/24		2.743	2.750	2.753	2.744	2.750	2.743	2.767	2.758	2.757	2.765
% ABSORPTION	12/24		0.3%	0.4%	0.4%	0.4%	0.3%	0.5%	0.6%	0.7%	0.8%	0.9%
DRY RODDED (LBS/CUBIC FT)	12/24		94.3	100.1	100.3	99.9	101.1	97.6	95.2	93.7	106.7	109.3
DRY RODDED (LBS/CUBIC YARD)	12/24		2546	2703	2708	2697	2730	2635	2570	2530	2881	2951
DRY RODDED (% VOIDS)	12/24		44.5%	41.0%	41.1%	41.1%	40.5%	42.3%	43.9%	44.5%	36.7%	35.1%
DRY RODDED (Kg/Cubic Meter)	12/24		1511	1603	1607	1600	1619	1563	1525	1501	1709	1751
VTM-5 % VOIDS IN STONE SAND	12/24										42.7%	43.6%
ASTM C1252 % VOIDS (METH B)	12/24										55.0%	54.5%
ASTM C1252 % VOIDS (METH C)	12/24										45.1%	40.0%
ASTM D4791 % F & E (3:1)	12/24			39.9%	21.0%	18.7%	26.6%	30.1%	33.6%			
GRADING A % LOSS	12/24	27.4%										
GRADING B % LOSS	12/24	25.2%										
GRADING C % LOSS	12/24	24.4%										
SOUNDNESS % LOSS (Magnesium Sulfate)	12/24		0.5%	0.5%	0.9%	1.1%	1.2%	1.8%	2.1%	4.4%	7.0%	6.6%
SOUNDNESS % LOSS (Sodium Sulfate)												
* SUPERPAVE *												
ASTM C1252 % VOIDS (METH A)	12/24										50.8%	50.2%
AASHTO T 176 SAND EQUIVALENT	12/24										94	58
ASTM D4791 % F & E (5:1)	12/24			9.6%	0.9%	1.9%	4.3%	6.3%	5.8%			
ASTM D5821 % FRACTURE FACES	12/24		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%			