



2020

Product Data Sheet
Plant: Lawyers Road

I. GEOLOGICAL FORMATION: ARCH MARBLE

II. CHEMICAL ANALYSIS () :

Silica	as SiO ₂	Calcium	as CaO	CaCO ₃
Iron	as Fe ₂ O ₃	Magnesium	as MgO	MgCO ₃
Aluminum	as Al ₂ O ₃	Calcium Carbonate Equiv.	CCE	
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)	1/20		2.726	2.723	2.706	2.721	2.709	2.707	2.722	2.678	2.683	2.688
BULK - SSD (CONCRETE)	1/20		2.731	2.732	2.719	2.730	2.719	2.718	2.733	2.700	2.703	2.712
APPARENT	1/20		2.741	2.746	2.743	2.746	2.735	2.736	2.735	2.739	2.738	2.753
% ABSORPTION	1/20		0.2%	0.3%	0.5%	0.3%	0.4%	0.4%	0.4%	0.8%	0.8%	0.9%
DRY RODDED (LBS/CUBIC FT)												
DRY RODDED (LBS/CUBIC FT)	1/20		96.8	99.2	99.7	101.0	101.4	96.7	95.8	97.4	105.4	112.8
DRY RODDED (LBS/CUBIC YARD)	1/20		2614	2678	2692	2727	2738	2611	2587	2630	2846	3046
DRY RODDED (% VOIDS)	1/20		43.1%	41.6%	41.0%	40.5%	40.0%	42.7%	43.6%	41.4%	37.0%	32.8%
DRY RODDED (Kg/Cubic Meter)	1/20		1551	1589	1597	1618	1624	1549	1535	1560	1688	1807
VTM-5 % VOIDS IN STONE SAND	1/20										53.7%	55.5%
ASTM C1252 % VOIDS (METH B)	1/20										52.6%	54.5%
ASTM C1252 % VOIDS (METH C)	1/20										42.9%	50.1%
ASTM D4791 % F & E (3:1)	1/20				36.8%	41.1%	21.3%	26.9%	36.8%			
GRADING % LOSS												
GRADING A % LOSS	1/20	24.5%										
GRADING B % LOSS	1/20	24.9%										
GRADING C % LOSS	1/20	28.6%										
SOUNDNESS % LOSS (Magnesium Sulfate)	1/20		0.5%	0.4%	0.4%	0.4%	0.4%	0.5%	0.5%	3.0%	6.2%	4.4%
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)	1/20										48.9%	50.1%
AASHTO T 176 SAND EQUIVALENT	1/20										90	66
ASTM D4791 % F & E (5:1)	1/20				4.7%	3.3%	2.4%	3.4%	5.8%			
ASTM D5821 % FRACTURE FACES			100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%			