



2019

Product Data Sheet
Plant: Mt. Athos

I. GEOLOGICAL FORMATION: GREENSTONE

II. CHEMICAL ANALYSIS (February 2019) :

Silica	as SiO ₂	49.2%	Calcium	as CaO	2.7%
Iron	as Fe ₂ O ₃	13.7%	Magnesium	as MgO	6.2%
Aluminum	as Al ₂ O ₃	21.7%	Sulphur	as S	<0.1 %

III. QUALITY DATA:			Product								
TEST	TEST DATE		3	57	8	78	9	A SAND	C-Slurry	10	
* SPECIFIC GRAVITY *											
BULK (ASPHALT)	01/19		2.995	3.000	2.991	2.997	2.978	2.983	2.989	2.980	
BULK - SSD (CONCRETE)	01/19		3.007	3.013	3.009	3.007	2.995	3.004	3.010	2.993	
APPARENT	01/19		3.030	3.040	3.045	3.028	3.031	3.045	3.051	3.019	
% ABSORPTION	01/19		0.4%	0.4%	0.6%	0.3%	0.6%	0.7%	0.7%	0.4%	
* LOS ANGELES DEGRADATION *											
GRADING A % LOSS	01/19	19.7%									
GRADING B % LOSS	01/19	21.3%									
GRADING C % LOSS	01/19	22.9%									
SOUNDNESS % LOSS (Magnesium Sulfate)	01/19		1.1%	0.4%	0.6%	0.6%	7.1%	8.2%	6.8%	7.8%	
SOUNDNESS % LOSS (Sodium Sulfate)											
Surface Treatment Rate of Application											
Stone (lb/sq yd)											
Emulsion (gal/sq yd)											
* SUPERPAVE *											
ASTM C1252 % VOIDS (METH A)	01/19							51.2%	49.6%	49.9%	
AASHTO T 176 SAND EQUIVALENT	01/19							94	46	92	
ASTM D4791 % F & E (5:1)	01/19		3.4%	2.8%	7.0%	4.6%					