



2021

Product Data Sheet
Plant: Mt. Athos

I. GEOLOGICAL FORMATION: GREENSTONE

II. CHEMICAL ANALYSIS (MAY 2021) :

Silica	as SiO ₂	49.5%	Calcium	as CaO	5.7%
Iron	as Fe ₂ O ₃	15.9%	Magnesium	as MgO	7.1%
Aluminum	as Al ₂ O ₃	15.6%	Sulphur	as S	<0.05%

III. QUALITY DATA:			Product							
TEST	TEST DATE		3	57	78	8	9	A SAND	C-Slurry	10
* SPECIFIC GRAVITY *										
BULK (ASPHALT)	3/21		3.004	2.996	3.001	2.986	2.977	3.001	2.998	2.998
BULK - SSD (CONCRETE)	3/21		3.013	3.010	3.016	3.004	2.997	3.020	3.011	3.011
APPARENT	3/21		3.032	3.047	3.041	3.040	3.036	3.042	3.038	3.038
% ABSORPTION	3/21		0.3%	0.5%	0.5%	0.6%	0.6%	0.4%	0.4%	0.4%
* LOS ANGELES DEGRADATION *										
GRADING A % LOSS	3/21	19.2%								
GRADING B % LOSS	3/21	17.7%								
GRADING C % LOSS	3/21	20.0%								
SOUNDNESS % LOSS (Magnesium Sulfate)			0.6%	0.4%	0.4%	0.4%	3.9%	5.4%	3.7%	6.0%
SOUNDNESS % LOSS (Sodium Sulfate)										
Surface Treatment Rate of Application										
Stone (lb/sq yd)										
Emulsion (gal/sq yd)										
* SUPERPAVE *										
ASTM C1252 % VOIDS (METH A)	3/21							51.4%	51.4%	51.4%
AASHTO T 176 SAND EQUIVALENT	3/21							97	59	59
ASTM D4791 % F & E (5:1)	3/21			5.9%	9.5%	2.0%				