



2019

Product Data Sheet
Plant: Blue Ridge

I. GEOLOGICAL FORMATION: Conococheague Limestone

II. CHEMICAL ANALYSIS (March 2019) :

Silica	as SiO ₂	9.6%	Calcium	as CaO	5.9%	as CaCO ₃	58.0%
Iron	as Fe ₂ O ₃	1.1%	Magnesium	as MgO	6.3%	as MgCO ₃	27.0%
Aluminum	as Al ₂ O ₃	2.3%	Calcium Carbonate Equiv.			CCE	85.0%
Sulfur	as S	0.2%					

III. QUALITY DATA:

TEST	TEST DATE	Product												
		1	3	5	Concrete 57	Coarse 57	68	78	8/8P	9	A Sand	10 Block Mix	LIME	
* SPECIFIC GRAVITY *														
BULK (ASPHALT)	01/19	2.735	2.730	2.730	2.704	2.724	2.725	2.725	2.720	2.686	2.692	2.686	2.689	
BULK - SSD (CONCRETE)	01/19	2.750	2.756	2.739	2.743	2.739	2.738	2.741	2.743	2.714	2.720	2.711	2.727	
APPARENT	01/19	2.775	2.804	2.755	2.814	2.766	2.760	2.769	2.785	2.764	2.770	2.754	2.795	
% ABSORPTION	01/19	0.5%	1.0%	0.3%	1.5%	0.6%	0.5%	0.6%	0.9%	1.0%	1.1%	0.9%	1.4%	
* UNIT WEIGHT *														
DRY RODDED (LBS/CUBIC FT)	01/19	94.5	90.7	92.3	93.1	93.3	99.0	99.6	104.1	93.4	95.8	99.1	80.7	
DRY RODDED (LBS/CUBIC YARD)	01/19	2551.5	2448.9	2492.1	2513.7	2519.1	2673.0	2689.2	2810.7	2521.8	2586.6	2675.7	2178.9	
DRY RODDED (% VOIDS)	01/19	44.6%	46.8%	45.8%	45.2%	45.1%	41.8%	41.4%	38.7%	44.3%	43.0%	40.9%	51.8%	
DRY RODDED (Kg/Cubic Meter)	01/19	1514	1453	1478	1491	1495	1586	1595	1668	1496	1535	1587	1293	
VTM-5 % VOIDS IN STONE SAND	01/19										51.3%	52.8%		
ASTM C1252 % VOIDS (METH B)	01/19										50.6%	52.2%		
ASTM C1252 % VOIDS (METH C)	01/19										45.4%	44.6%		
ASTM D4791 % F & E (3:1)	01/19			12.3%	28.3%	15.5%	15.7%	19.0%	27.5%					
* LOS ANGELES DEGRADATION *														
GRADING A % LOSS	01/19	17.4%												
GRADING B % LOSS	01/19	17.6%												
GRADING C % LOSS	01/19	17.3%												
SOUNDNESS % LOSS (Magnesium Sulfate)	01/19	4.1%	3.9%	2.1%	2.2%	2.4%	1.6%	1.3%	1.2%	3.1%	4.4%	3.9%	0.8%	
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										47.9%	45.9%		
AASHTO T 176 SAND EQUIVALENT	01/19										92	71		
ASTM D4791 % F & E (5:1)	01/19			0.0%	1.5%	0.0%	0.3%	1.2%	2.0%					