



2021

Product Data Sheet
Plant: Blue Ridge

I. GEOLOGICAL FORMATION: Conococheague Limestone

II. CHEMICAL ANALYSIS (MAY 2021) :

Silica	as SiO ₂	8.4%	Calcium	as CaO	44.30%	as CaCO ₃	62.0%
Iron	as Fe ₂ O ₃	1.0%	Magnesium	as MgO	5.94%	as MgCO ₃	27.0%
Aluminum	as Al ₂ O ₃	1.8%	Calcium Carbonate Equiv.			CCE	85.0%
Sulfur	as S	0.1%					

III. QUALITY DATA:		Product												
TEST	TEST DATE	1	3	5	Concrete 57	Coarse 57	68	78	8/8P	9	A Sand	10 Block Mix	LIME	
* SPECIFIC GRAVITY *														
BULK (ASPHALT)	2/21	2.752	2.747	2.766	2.751	2.749	2.739	2.740	2.714	2.729	2.734	2.717	2.702	
BULK - SSD (CONCRETE)	2/21	2.759	2.759	2.788	2.762	2.759	2.751	2.746	2.730	2.751	2.758	2.737	2.740	
APPARENT	2/21	2.771	2.778	2.804	2.783	2.776	2.771	2.768	2.756	2.793	2.798	2.771	2.808	
% ABSORPTION	2/21	0.3%	0.4%	0.3%	0.4%	0.4%	0.4%	0.5%	0.6%	0.6%	0.9%	0.7%	1.4%	
* UNIT WEIGHT *														
DRY RODDED (LBS/CUBIC FT)	2/21	96.9	97.5	99.6	100.1	98.0	103.1	103.7	98.4	96.8	100.1	108.1	94.1	
DRY RODDED (LBS/CUBIC YARD)	2/21	2616.3	2632.5	2689.2	2702.7	2646.0	2783.7	2799.9	2656.8	2613.6	2702.7	2918.7	2540.7	
DRY RODDED (% VOIDS)	2/21	43.6%	43.1%	42.3%	41.8%	42.9%	39.6%	39.3%	41.9%	43.2%	36.6%	41.0%	44.2%	
DRY RODDED (Kg/Cubic Meter)	2/21	1552	1562	1595	1603	1570	1651	1661	1576	1551	1603	1732	1507	
VTM-5 % VOIDS IN STONE SAND	2/21										46.8%	47.3%		
ASTM C1252 % VOIDS (METH B)	2/21										51.8%	51.1%		
ASTM C1252 % VOIDS (METH C)	2/21										46.4%	44.5%		
ASTM D4791 % F & E (3:1)	2/21			19.2%	20.3%	14.6%	21.7%	15.0%	21.2%					
* LOS ANGELES DEGRADATION *														
GRADING A % LOSS	2/21	14.7%												
GRADING B % LOSS	2/21	16.0%												
GRADING C % LOSS	2/21	17.7%												
SOUNDNESS % LOSS (Magnesium Sulfate)		1.4%	0.9%	1.2%	1.0%	1.0%	0.9%	0.9%	0.8%	6.1%	5.6%	4.9%		
SOUNDNESS % LOSS (Sodium Sulfate)														
Surface Treatment Rate of Application														
Stone (lb/sq yd)														
Emulsion (gal/sq yd)														
* SUPERPAVE *														
ASTM C1252 % VOIDS (METH A)	2/21										47.9%	47.2%		
AASHTO T 176 SAND EQUIVALENT	2/21										81	71		
ASTM D4791 % F & E (5:1)	2/21			2.1%	0.9%	0.5%	1.1%	0.4%	1.2%					