BOXLEY

2025

Product Data Sheet
Plant: Blue Ridge

I. GEOLOGICAL FORMATION: Conococheague Limestone

II. CHEMICAL ANALYSIS (MARCH 2025) :

Silica	as SiO2	9.6%	as CaO	42.1%	as CaCO3	60.0%
Iron	as Fe2O3	1.1%	as MgO	5.9%	as MgCO3	25.0%
Aluminum	as Al2O3	2.3%			CCE	85.0%
Sulfur	as S	0.2%				

III. QUALITY DATA:

TEST	TEST DATE		Product 1	3	5	Coarse 57	Concrete 57	68	78	8/8P	9	A Sand	10	LIME
* SPECIFIC GRAVITY *														
BULK (ASPHALT)	2/25		2.747	2.744	2.737	2.736	2.736	2.736	2.730	2.727	2.719	2.703	2.709	2.703
BULK - SSD (CONCRETE)	2/25		2.759	2.756	2.754	2.751	2.752	2.750	2.750	2.743	2.739	2.729	2.734	2.731
APPARENT	2/25		2.781	2.777	2.782	2.776	2.778	2.774	2.777	2.772	2.776	2.776	2.779	2.779
% ABSORPTION	2/25		0.4%	0.4%	0.6%	0.5%	0.6%	0.5%	0.6%	0.6%	0.8%	1.0%	0.9%	1.0%
* UNIT WEIGHT *														
DRY RODDED (LBS/CUBIC FT)	2/25		91.3	96.2	96.7	100.8	103.9	98.2	104.4	101.7	96.1	101.4	101.8	97.4
DRY RODDED (LBS/CUBIC YARD)	2/25		2465.1	2597.4	2610.9	2721.6	2805.3	2651.4	2818.8	2745.9	2594.7	2737.8	2748.6	2629.8
DRY RODDED (% VOIDS)	2/25		46.7%	43.8%	43.4%	41.0%	39.2%	42.5%	38.7%	40.2%	43.4%	39.9%	39.8%	42.2%
DRY RODDED (Kg/Cubic Meter)	2/25		1462	1541	1549	1615	1664	1573	1672	1629	1539	1624	1631	1560
VTM-5 % VOIDS IN STONE SAND	2/25											48.8%	47.0%	
ASTM C1252 % VOIDS (METH B)	2/25											49.7%	51.3%	
ASTM C1252 % VOIDS (METH C)	2/25											44.6%	45.4%	
ASTM D4791 % F & E (3:1)	2/25				19.0%	15.8%	16.3%	18.8%	14.0%	14.5%				
* LOS ANGELES DEGRADATION *														
GRADING A % LOSS	2/25	19.2%												
GRADING B % LOSS	2/25	18.6%												
GRADING C % LOSS	2/25	17.2%												
ASTM C88 % LOSS (Magnesium Sulfate)	2/25		0.3%	0.3%	0.3%	0.4%	0.5%	0.7%	0.7%	0.9%	6.9%	6.7%	7.1%	2.6%
ASTM C88 % LOSS (Sodium Sulfate)														
* SUPERPAVE *														
ASTM C1252 % VOIDS (METH A)	2/25											45.8%	47.9%	
AASHTO T 176 SAND EQUIVALENT	2/25											86	72	
ASTM D4791 % F & E (5:1)	2/25				1.5%	2.7%	1.0%	0.0%	0.4%	0.1%				

Last Updated: 4/18/2025