

I. GEOLOGICAL FORMATION: ARVONIA SLATE
 II. CHEMICAL ANALYSIS (MARH 2025) :

Silica	as SiO ₂	58.7%	Calcium	as CaO	2.5%
Iron	as Fe ₂ O ₃	7.2%	Magnesium	as MgO	2.6%
Aluminum	as Al ₂ O ₃	17.7%	Sulphur	as S	0.1%

III. QUALITY DATA:			Product								
TEST	TEST DATE		2	357	5L	VDOT 57	57L	VDOT 8	8L	9	A SAND
* SPECIFIC GRAVITY *											
BULK (ASPHALT)	2/2025		2.776	2.773	2.785	2.776	2.772	2.779	2.773	2.766	2.742
BULK - SSD (CONCRETE)	2/2025		2.786	2.781	2.794	2.791	2.783	2.793	2.790	2.781	2.762
APPARENT	2/2025		2.801	2.799	2.804	2.800	2.808	2.820	2.821	2.797	2.798
% ABSORPTION	2/2025		0.4%	0.4%	0.4%	0.5%	0.5%	0.6%	0.6%	0.7%	0.8%
* UNIT WEIGHT *											
DRY RODDED (LBS/CUBIC FT)	2/2025		98.3	106.5	94.8	94.8	92.9	93.7	92.9	94.1	102.9
DRY RODDED (LBS/CUBIC YARD)	2/2025		2654.1	2875.5	2559.6	2559.6	2508.3	2529.9	2508.3	2540.7	2778.3
DRY RODDED (% VOIDS)	2/2025		44.6%	39.2%	46.7%	44.6%	48.3%	46.1%	45.6%	44.8%	39.9%
DRY RODDED (Kg/Cubic Meter)	2/2025		1575	1706	1519	1519	1488	1501	1488	1507	1648
VTM-5 % VOIDS IN STONE SAND	2/2025										57.6%
ASTM C1252 % VOIDS (METH B)	2/2025										55.4%
ASTM C1252 % VOIDS (METH C)	2/2025										54.0%
ASTM D4791 % F & E (3:1)	2/2025					35.6%	47.5%	32.0%	44.1%		
* LOS ANGELES DEGRADATION *											
GRADING A % LOSS	2/2025	21.1%									
GRADING B % LOSS	2/2025	21.8%									
GRADING C % LOSS	2/2025	18.9%									
SOUNDNESS % LOSS (Magnesium Sulfate)	2/2025		0.4%	0.4%	0.4%	0.4%	0.5%	0.5%	0.6%	6.7%	7.5%
SOUNDNESS % LOSS (Sodium Sulfate)											
* SUPERPAVE *											
ASTM C1252 % VOIDS (METH A)	2/2025										50.9%
AASHTO T 176 SAND EQUIVALENT	2/2025										91
ASTM D4791 % F & E (5:1)	2/2025					17.3%	29.1%	18.0%	24.3%		