



2024

Product Data Sheet
Plant: Fieldale

I. GEOLOGICAL FORMATION: BIOTITE GNEISS

II. CHEMICAL ANALYSIS (March 2023) :

Silica	as SiO2	53.8%	Calcium	as CaO	5.1%
Iron	as Fe2O3	9.5%	Magnesium	as MgO	3.9%
Aluminum	as Al2O3	14.8%	Sulphur	as S	0.4%

III. QUALITY DATA:		Product													
TEST	TEST DATE	1	3	5	W 57	REG 57	68	78	8P	8	9	10C	10	B Slurry	C Slurry
* SPECIFIC GRAVITY *															
BULK (ASPHALT)	3/24	2.932	2.873	2.888	2.866	2.851	2.842	2.839	2.843	2.860	2.825	2.837	2.828	2.830	2.834
BULK - SSD (CONCRETE)	3/24	2.939	2.883	2.897	2.878	2.862	2.859	2.854	2.861	2.877	2.843	2.857	2.851	2.854	2.855
APPARENT	3/24	2.951	2.901	2.917	2.900	2.881	2.892	2.883	2.896	2.910	2.877	2.893	2.894	2.900	2.899
% ABSORPTION	3/24	0.2%	0.4%	0.3%	0.4%	0.4%	0.6%	0.5%	0.6%	0.6%	0.6%	0.7%	0.8%	0.9%	0.8%
* LOS ANGELES DEGRADATION *															
GRADING A % LOSS	3/24	25.5%													
GRADING B % LOSS	3/24	24.7%													
GRADING C % LOSS	3/24	28.4%													
GRADING D % LOSS															
SOUNDNESS % LOSS (Magnesium Sulfate)	3/24	1.0%	4.0%	0.8%	0.6%	0.6%	0.5%	0.5%	0.4%	0.4%	7.3%	5.6%	5.3%	5.0%	5.0%
SOUNDNESS % LOSS (Sodium Sulfate)															
Surface Treatment Rate of Application															
Stone (lb/sq yd)															
Emulsion (gal/sq yd)															
* SUPERPAVE *															
ASTM C1252 % VOIDS (METH A)	3/24											49.8%	48.8%	48.7%	49.0%
AASHTO T 176 SAND EQUIVALENT	3/24											94	76	76	77
ASTM D4791 % F & E (5:1)	3/24			1.1%	0.1%	0.0%	1.6%	1.0%	1.9%	2.4%					