



2020

Product Data Sheet
Plant: Fieldale

I. GEOLOGICAL FORMATION: BIOTITE GNEISS

II. CHEMICAL ANALYSIS (March 2019) :

Silica	as SiO ₂	Calcium	as CaO
Iron	as Fe ₂ O ₃	Magnesium	as MgO
Aluminum	as Al ₂ O ₃	Sulphur	as S

III. QUALITY DATA:			Product												
TEST	TEST DATE		357	5	W 57	REG 57	68	78	8P	8	9	10C	10	B Slurry	C Slurry
* SPECIFIC GRAVITY *															
BULK (ASPHALT)	2/20		2.810	2.811	2.801	2.791	2.796	2.791	2.786	2.789	2.775	2.782	2.783	2.779	2.779
BULK - SSD (CONCRETE)	2/20		2.817	2.820	2.813	2.813	2.819	2.814	2.820	2.809	2.797	2.797	2.793	2.798	2.798
APPARENT	2/20		2.830	2.838	2.834	2.854	2.861	2.858	2.869	2.845	2.838	2.826	2.825	2.832	2.832
% ABSORPTION	2/20		0.3%	0.3%	0.4%	0.8%	0.8%	84.0%	0.8%	0.7%	0.8%	0.6%	0.6%	0.7%	0.7%
* LOS ANGELES DEGRADATION *															
DRY RODDED (LBS/CUBIC FT)	2/20		103.4	102.9	100.9	102.8	102.4	101.2	97.4	100.4	98.1	106.8	114.8	115.4	116.8
DRY RODDED (LBS/CUBIC YARD)	2/20		2791.8	2778.3	2724.3	2775.6	2764.8	2732.4	2629.8	2710.8	2648.7	2883.6	3099.6	3115.8	3153.6
DRY RODDED (% VOIDS)	2/20		41.1%	41.3%	42.3%	41.0%	41.3%	41.9%	44.0%	42.3%	43.3%	38.5%	33.9%	33.4%	32.7%
DRY RODDED (Kg/Cubic Meter)	2/20		1656	1648	1616	1647	1640	1621	1560	1608	1571	1711	1839	1849	1871
VTM-5 % VOIDS IN STONE SAND	2/20											55.9%	46.3%	55.7%	55.9%
ASTM C1252 % VOIDS (METH B)	2/20											54.5%	53.8%	54.2%	54.7%
ASTM C1252 % VOIDS (METH C)	2/20											45.5%	39.4%	42.0%	42.4%
ASTM D4791 % F & E (3:1)	2/20		10.8%	12.8%	13.0%	13.8%	23.7%	15.0%	34.7%	27.9%					
GRADING A % LOSS	2/20	26.6%													
GRADING B % LOSS	2/20	27.9%													
GRADING C % LOSS	2/20	33.2%													
GRADING D % LOSS	2/20														
SOUNDNESS % LOSS (Magnesium Sulfate)	2/20		0.8%	1.6%	1.7%	1.7%	1.3%	1.1%	0.8%	0.7%	4.1%	9.1%	6.4%	6.6%	5.4%
SOUNDNESS % LOSS (Sodium Sulfate)															
Surface Treatment Rate of Application															
Stone (lb/sq yd)															
Emulsion (gal/sq yd)															
* SUPERPAVE *															
ASTM C1252 % VOIDS (METH A)	2/20											49.8%	50.7%	49.6%	50.2%
AASHTO T 176 SAND EQUIVALENT	2/20											95	81	73	67
ASTM D4791 % F & E (5:1)	2/20		0.0%	0.0%	0.3%	0.2%	1.4%	0.6%	1.3%	0.6%					