

Product Data Sheet Plant: Fieldale

I. GEOLOGICAL FORMATION: BIOTITE GNEISS

II. CHEMICAL ANALYSIS (March 2023):

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

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%	
DRY RODDED (LBS/CUBIC FT)	3/24		101.0	109.5	104.0	105.9	105.6	105.4	103.4	99.4	101.4	100.0	107.4	114.3	110.5	120.3	
DRY RODDED (LBS/CUBIC YARD)	3/24		2727.0	2956.5	2808.0	2859.3	2851.2	2845.8	2791.8	2683.8	2737.8	2700.0	2899.8	3086.1	2983.5	3248.1	
DRY RODDED (% VOIDS)	3/24		44.8%	38.9%	42.3%	40.8%	40.6%	40.6%	41.6%	44.0%	43.2%	43.3%	39.3%	35.3%	37.4%	32.0%	
DRY RODDED (Kg/Cubic Meter)	3/24		1618	1754	1666	1696	1692	1688	1656	1592	1624	1602	1720	1831	1770	1927	
VTM-5 % VOIDS IN STONE SAND	3/24												55.0%	54.9%	59.6%	54.9%	
ASTM C1252 % VOIDS (METH B)	3/24												53.9%	53.9%	53.9%	54.4%	
ASTM C1252 % VOIDS (METH C)	3/24									T			46.0%	42.4%	42.4%	42.2%	
ASTM D4791 % F & E (3:1)	3/24				7.7%	9.6%	8.5%	14.4%	10.4%	15.6%	19.7%						
* LOS ANGELES DEGRADATION *																	
GRADING A % LOSS	3/24	25.5%															
GRADING B % LOSS	3/24	24.7%	1														
GRADING C % LOSS	3/24	28.4%	1														
GRADING D % LOSS			1														
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)	1									1			<u> </u>	<u> </u>		 	
* 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%		l	<u> </u>		 	
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