



2019

Product Data Sheet
Plant: Rich Patch

I. GEOLOGICAL FORMATION: Egglestone, Edinburg, Lincolnshire, and New Market Limestone

II. CHEMICAL ANALYSIS (February 2019) :

Silica	as SiO2	6.8%	Calcium	as CaO	48.9%	as CaCO3	80.0%
Iron	as Fe2O3	0.8%	Magnesium	as MgO	2.4%	as MgCO3	11.0%
Aluminum	as Al2O3	1.3%	Calcium Carbonate Equiv.			CCE	85.0%
Sulfur	as S	0.1%					

III. QUALITY DATA:

TEST	TEST DATE	Product													
		ROCKFILL A	ROCKFILL B	1	2	357	57	68	78	8	10	B SAND	LIME	9	
* SPECIFIC GRAVITY *															
BULK (ASPHALT)	02/19	2.697	2.705	2.709	2.694	2.699	2.707	2.694	2.693	2.693	2.676	2.673	2.673	2.679	
BULK - SSD (CONCRETE)	02/19	2.702	2.711	2.714	2.701	2.705	2.719	2.703	2.703	2.704	2.692	2.689	2.690	2.695	
APPARENT	02/19	2.710	2.722	2.724	2.713	2.717	2.739	2.718	2.720	2.723	2.720	2.716	2.719	2.723	
% ABSORPTION	02/19	0.2%	0.2%	0.2%	0.3%	0.3%	0.4%	0.3%	0.4%	0.4%	0.4%	0.6%	0.6%	0.6%	
* UNIT WEIGHT *															
DRY RODDED (LBS/CUBIC FT)	02/19	94.9	99.9	96.5	99.8	99.1	98.4	97.3	97.9	97.2	103.4	98.1	103.8	99.1	
DRY RODDED (LBS/CUBIC YARD)	02/19	2562	2697	2606	2695	2676	2657	2627	2643	2624	2792	2649	2803	2676	
DRY RODDED (% VOIDS)	02/19	43.6%	40.8%	42.9%	40.7%	41.1%	41.8%	42.4%	41.7%	42.2%	38.1%	41.2%	37.8%	40.7%	
DRY RODDED (Kg/Cubic Meter)	02/19	1520	1600	1546	1599	1587	1576	1559	1568	1557	1656	1571	1663	1587	
VTM-5 % VOIDS IN STONE SAND	02/19										53.2%	52.7%			
ASTM C1252 % VOIDS (METH B)	02/19										51.8%	51.6%			
ASTM C1252 % VOIDS (METH C)	02/19										44.5%	43.1%			
ASTM D4791 % F & E (3:1)	02/19					5.7%	15.0%	16.8%	25.7%	19.9%					
* LOS ANGELES DEGRADATION *															
GRADING A % LOSS	02/19	17.3%													
GRADING B % LOSS	02/19	17.9%													
GRADING C % LOSS	02/19	18.4%													
SOUNDNESS % LOSS (Magnesium Sulfate)	02/19		0.5%	0.5%	0.5%	0.5%	0.7%	1.0%	1.0%	1.0%	0.9%	4.3%	6.2%	3.5%	3.0%
SOUNDNESS % LOSS (Sodium Sulfate)															
Stone (lb/sq yd)															
Emulsion (gal/sq yd)															
* SUPERPAVE *															
ASTM C1252 % VOIDS (METH A)	02/19											47.2%	47.4%		
AASHTO T 176 SAND EQUIVALENT	02/19											74	84		
ASTM D4791 % F & E (5:1)	02/19					0.0%	0.0%	0.0%	0.0%	0.4%					