



2023

Product Data Sheet
Plant: Rich Patch

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

II. CHEMICAL ANALYSIS (3/2023) :

Silica	as SiO2	Calcium	as CaO	as CaCO3
Iron	as Fe2O3	Magnesium	as MgO	as MgCO3
Aluminum	as Al2O3	Calcium Carbonate Equiv.		CCE
Sulfur	as S			

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)	1/23	2.716	2.703	2.706	2.708	2.720	2.703	2.712	2.708	2.698	2.675	2.680	2.678	2.686	
BULK - SSD (CONCRETE)	1/23	2.721	2.707	2.709	2.712	2.729	2.714	2.724	2.716	2.712	2.694	2.700	2.700	2.698	
APPARENT	1/23	2.730	2.714	2.713	2.719	2.744	2.733	2.744	2.730	2.737	2.727	2.733	2.737	2.719	
% ABSORPTION	1/23	0.2%	0.2%	0.1%	0.2%	0.3%	0.4%	0.4%	0.3%	0.5%	0.7%	0.7%	0.8%	0.4%	
* LOS ANGELES DEGRADATION *															
DRY RODDED (LBS/CUBIC FT)	1/23	101.9	103.4	95.9	99.6	98.5	95.8	97.2	98.2	97.4	102.1	96.1	89.4	94.1	
DRY RODDED (LBS/CUBIC YARD)	1/23	2751.3	2791.8	2589.3	2689.2	2659.5	2586.6	2624.4	2651.4	2629.8	2756.7	2594.7	2413.8	2540.7	
DRY RODDED (% VOIDS)	1/23	39.6%	39.0%	43.2%	41.1%	42.0%	43.2%	42.6%	41.9%	42.1%	38.8%	42.5%	46.5%	43.9%	
DRY RODDED (Kg/Cubic Meter)	1/23	1632.3	1656.3	1536.2	1595.4	1577.8	1534.6	1557.0	1573.0	1560.2	1635.5	1539.4	1432.0	1507.3	
VTM-5 % VOIDS IN STONE SAND	1/23										47.3%	46.6%			
ASTM C1252 % VOIDS (METH B)	1/23										50.9%	51.4%			
ASTM C1252 % VOIDS (METH C)	1/23										39.8%	45.1%			
ASTM D4791 % F & E (3:1)	1/23					6.3%	5.8%	15.4%	11.7%	13.9%					
GRADING A % LOSS	1/23	20.4%													
GRADING B % LOSS	1/23	21.3%													
GRADING C % LOSS	1/23	19.1%													
SOUNDNESS % LOSS (Magnesium Sulfate)	1/23				0.5%	0.5%	0.7%	0.6%	0.8%	1.0%	1.0%	7.0%	10.3%	7.9%	2.5%
SOUNDNESS % LOSS (Sodium Sulfate)															
* SUPERPAVE *															
ASTM C1252 % VOIDS (METH A)	1/23										47.1%	47.4%			
AASHTO T 176 SAND EQUIVALENT	1/23										75	93			
ASTM D4791 % F & E (5:1)	1/23					0.0%	0.0%	1.1%	0.2%	0.0%					