

TURFSIL NATURAL – MEDIUM FINE ROOTZONE

ROOTZONE

Features & Benefits

North Park-UK

Formulated blend of sand and organic amendments to give optimum physical characteristics, typically used for the construction of football pitches and sports field surfaces.

Consistent particle size distribution ideal for surface stability whilst maintaining adequate infiltration and drainage characteristics.

Designed and developed using our in-house USGA PT sports turf laboratory.

Granulometric Data & Physical Characteristics

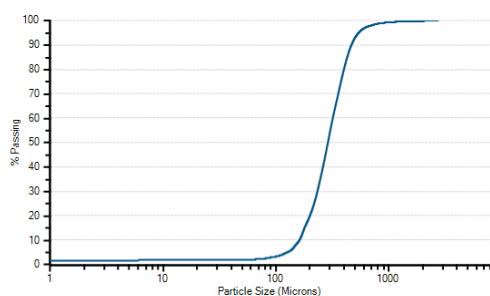
Mean values. These do not represent a specification.

Aperture	Typical Cumulative Passing	Typical Retained Each Sieve	Typical Retained	Category
Microns	%	%	%	
8000	100.0	0.0	0.0	Stones
5600	100.0	0.0	0.0	Coarse Gravel
4000	100.0	0.0		
2800	100.0	0.0		
2000	99.8	0.2	0.2	Fine Gravel
1400	99.6	0.2	0.6	Very Coarse Sand
1000	99.2	0.4		
710	98.0	1.2	6.7	Coarse Sand
500	92.5	5.5		
355	68.8	23.7		
250	35.3	33.5	57.2	Medium Sand
180	14.8	20.5	30.5	Fine Sand
125	4.8	10.0		
90	2.8	2.0	2.8	Very Fine Sand
63	2.0	0.8		
-63		2.0	2.0	Silt / Clay

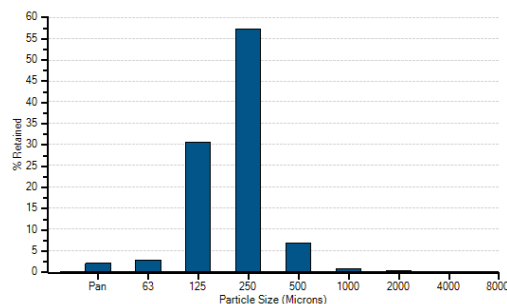
ASTM sieves

150-250 µm	27.5 %	<i>Fine Sand</i>
53-150 µm	5.9 %	<i>Very Fine Sand</i>

Typical cumulative passing (%)



Typical retained each category (%)



Physical properties

Parameter	Unit	Typical Value
Saturated Hydraulic Conductivity *	mm/hr	210
Water Retention *	% w/w	16.5
Bulk Density	Kg/m ³	1650
Total Porosity	% v/v	39.2
Capillary Porosity [water filled] *	% v/v	24.3
Non-Capillary Porosity [air-filled] *	% v/v	14.9
Organic Matter Content	% w/w	0.6
pH (1:1 water)		7.5
D eff (Effective Particle Size)	µm	208
Grain Shape Angularity	Sub Rounded	
Grain Shape Sphericity	Medium	

* Tested at 30cm tension [ASTM F1815-11]

D Values

D Value	Unit	Typical Value
D95	µm	546
D90	µm	471
D85	µm	432
D60	µm	322
D50	µm	291
D25	µm	220
D20	µm	202
D15	µm	181
D10	µm	163
D5	µm	128
D60/D10 (U.C. 01)		2.0
D90/D10 (U.C. 02)		2.9

Availability

North Park, UK
Moist Bulk ; Road

For Product Information & Customer Service

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TURFSIL Natural_Rootzone NP Medium Fine WS_MOIST_TDS_NP1_UK_JUNE 20_EN_1.00