

F-Sand Premium Kiln Dried Topdressing Sand

**USGA
Specification** **F-Sand**

Particle Size

% Sand 2.0 - .05 mm	> 92%	98%
% Silt .05 - .002 mm	< 5%	< 1%
% Clay < .002 mm	< 3%	< 1%

Retained Sieve

Gravel 4.0 mm (5)	<div style="background-color: #c8e6c9; padding: 5px; text-align: center;"> < 3% Gravel <10% Combined </div>	0%
Gravel 2.0 mm (10)		0.1%
V. Coarse 1.0 mm (18)	<div style="background-color: #e57373; padding: 5px; text-align: center;"> > 60% </div>	4.4%
Coarse .5 mm (35)		19.5%
Medium .25 mm (60)		52.9%
Fine .15 mm (100)		16.6%
V. Fine .05 mm (270)		4.3%

Uniformity

Cu	1.8 - 3.5	2.4
D15 mm		0.2
D50 mm		0.36
D85 mm		0.69

Shape/Composition

Angularity	Angular to Sub-Rounded
Sphericity	Low to Medium
USDA Textural Class	Sand
Acid Reaction	Slight
pH 1:1	7.5

Performance

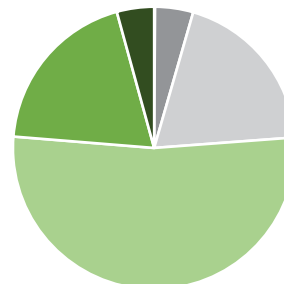
Infiltration rate in/hr	> 6	44.1
Infiltration rate cm/hr	> 15	112.1
Particle Density g/cc		2.71
Bulk Density g/cc		1.48

Porosity

Total %	35-55%	45.4%
Water Filled %	15-25%	20.8%
Air-Filled %	15-30%	24.6%
Degree of saturation %		46%

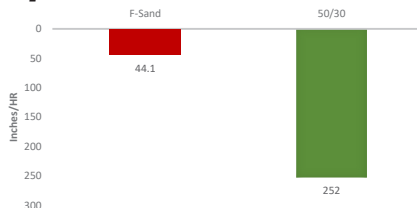
SAND 98% <1% Silt <1% Clay

F-Sand Sieve Retention

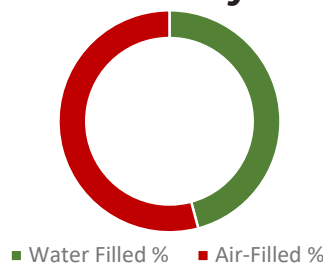


- Gravel 4.0 mm (5)
- V. Coarse 1.0 mm (18)
- Medium .25 mm (60)
- V. Fine .05 mm (270)
- Gravel 2.0 mm (10)
- Coarse .5 mm (35)
- Fine .15 mm (100)

Infiltration Rate (IN/HR)



Porosity



50/30 Premium Kiln Dried Topdressing Sand

USGA Specification 50/30

Particle Size

Particle Size	USGA Specification	50/30
% Sand 2.0 - .05 mm	> 92%	99.2%
% Silt .05 - .002 mm	< 5%	< 1%
% Clay < .002 mm	< 3%	< 1%

Retained Sieve

Retained Sieve	USGA Specification	50/30
Gravel 4.0 mm (5)	< 3% Gravel <10% Combined	0%
Gravel 2.0 mm (10)		0%
V. Coarse 1.0 mm (18)	> 60%	4.3%
Coarse .5 mm (35)		62.4%
Medium .25 mm (60)		32.4%
Fine .15 mm (100)	< 20%	0.1%
V. Fine .05 mm (270)	< 5%	0.1%

Uniformity

Uniformity	USGA Specification	50/30
Cu	1.8 - 3.5	2.2
D15 mm		0.34
D50 mm		0.6
D85 mm		0.89

Shape/Composition

Angularity	Angular to Sub-Rounded
Sphericity	High
USDA Textural Class	Sand
Acid Reaction	Slight
pH 1:1	8.5

Performance

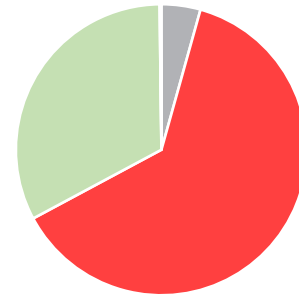
Performance	USGA Specification	50/30
Infiltration rate in/hr	> 6	252
Infiltration rate cm/hr	> 15	641
Particle Density g/cc		3.01
Bulk Density g/cc		1.55

Porosity

Porosity	USGA Specification	50/30
Total %	35-55%	48.5%
Water Filled %	15-25%	6.2%
Air-Filled %	15-30%	42.3%
Degree of saturation %		13%

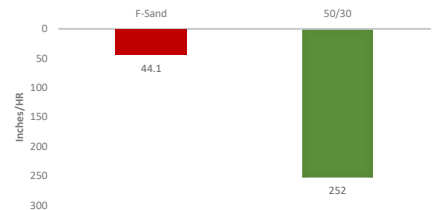
SAND 99.2% <1% Silt <1% Clay

50/30 Sieve Retention

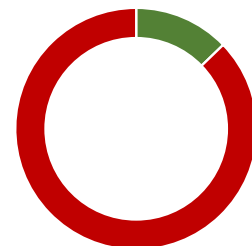


- Gravel 4.0 mm (5)
- Gravel 2.0 mm (10)
- V. Coarse 1.0 mm (18)
- Coarse .5 mm (35)
- Medium .25 mm (60)
- Fine .15 mm (100)
- V. Fine .05 mm (270)

Infiltration Rate (IN/HR)



Porosity



- Water Filled %
- Air-Filled %