



# TECHNICAL DATA SHEET

## ENGINEERED SOIL

- HIGH INFILTRATION RATE
- IDEAL ORGANIC MATTER CONTENT
- MODERATE pH
- LOAMY SAND TEXTURE
- NUTRIENT RICH

### GENERAL INFORMATION

<b>Composition</b>	FiltRow™ Concentrate ASTM, C-33 Sand
<b>Bulk Density</b>	1.12 g/cm <sup>3</sup>
<b>Textural Classification</b>	Loamy Sand
<b>Organic Matter</b>	2.1 percent
<b>pH</b>	6.9 - 7.1
<b>Maximum Particle Size</b>	0.39 mm
<b>Hydraulic Conductivity</b>	1.55 cm/hr

### TYPICAL ANALYSIS

Sand (2mm – 0.75mm).....	83.8%
Silt (0.74mm – 0.005mm).....	11.2%
Clay (<0.005mm) .....	5%
USDA Textural Classification.....	Loamy Sand
Organic Matter.....	2.1+%
Moisture Content.....	13.62%
Foreign Matter Content.....	<0.01%
pH.....	7.1
Potassium (K).....	102 ppm
Magnesium (Mg).....	115 ppm
Calcium (Ca).....	1450 ppm
Sodium (Na).....	12 ppm
Cation Exchange Capacity (CEC).....	8.5 meq/100g
Soluble Salts Content.....	0.1 mmhos/cm or 64 ppm

### APPLICATION



For use in bioretention basins and areas where storm water runoff must be contained and/or filtered prior to being discharged. This loamy sand mixture has been meticulously designed to have the ideal balance of a speedy infiltration rate and a perfect percolation rate. Thus enabling the Engineered soil to trap pollutants commonly found in urban runoff.