

LID Soil - Soil Cell Planting Blend

Overview

This engineered blend is designed for urban soil cell systems. It supports tree and plant health while allowing stormwater infiltration, helping reduce runoff and improve water quality. Ideal for bioswales, boulevards, and streetscapes.



Ideal Applications



Boulevards and Streetscapes

School Fields and Parks

Mixture Composition

- Screened Loam
- Compost
- Coarse Sand

Benefits

- Promotes infiltration and supports healthy growth
- Reduces runoff and helps recharge groundwater
- Supports resilient vegetation in stormwater zones
- Meets deep-root planting requirements
- Engineered for urban infrastructure

Available in

Contact Eagle Lake

Calgary Contractor Store

285177 Frontier Road SE,
Calgary AB, T1X 0N2

Strathmore Turf Farm

242039 TWP RD 240
Wheatland County, AB, T1P 2C6

EagleLakeTurf.com

403.262.5600

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This blend was developed to provide optimal growing conditions in tree vaults. Designed to be uncompacted with holding structure, rich in nutrients and organic matter. With a balanced particle size to promote root development and stormwater management.

Specifications

Parameter	Result	Method
<i>Plant Material</i>	<i>Vaulted trees & shrubs</i>	
<i>Composition</i>	<i>Loam, coarse sand, biochar, compost & fir fines</i>	
<i>Soil Textural Class</i>	<i>Sandy Loam</i>	USDA Handbook 60
<i>Particle Size</i>	<i>Sand-60%, Silt-25%, Clay-15%</i>	ASTM F1632 B
<i>pH</i>	<i>7.4-7.6</i>	
<i>Infiltration Rate</i>	<i>25-35 mm/hr</i>	ASTM D5084 (Method A)
<i>Organic Matter %</i>	<i>5-6%</i>	ASTM D2974 C
<i>Cation Exchange Capacity, CEC</i>	<i>20-30 meq/100g</i>	CEC
<i>Soluble Salts</i>	<i>1-2 ms/cm</i>	SSE
<i>Moisture Content</i>	<i>50-60%</i>	ASTM D5084 (Method A)
<i>Phosphorus, P</i>	<i>150-200 ppm</i>	Saturated Paste Method
<i>Potassium, K</i>	<i>900-1000 ppm</i>	Saturated Paste Method
<i>Magnesium, Mg</i>	<i>800-900 ppm</i>	Saturated Paste Method
<i>Calcium, Ca</i>	<i>4000-5000 ppm</i>	Saturated Paste Method
<i>Sulfur, S</i>	<i>300-400 ppm</i>	Saturated Paste Method
<i>Zinc, Zn</i>	<i>9-10 ppm</i>	Saturated Paste Method
<i>Manganese, Mn</i>	<i>80-100 ppm</i>	Saturated Paste Method
<i>Iron, Fe</i>	<i>200-250 ppm</i>	Saturated Paste Method
<i>Copper, Cu</i>	<i>2-3 ppm</i>	Saturated Paste Method
<i>Nitrate, NO₃</i>	<i>80-90 ppm</i>	Saturated Paste Method
<i>Sodium, Na</i>	<i>300-450 ppm</i>	Saturated Paste Method
<i>Sodium Absorption Ratio</i>	<i>3-4 SAR</i>	USDA Handbook 60
<i>Electrical Conductivity, EC</i>	<i>0.5-2 mmhos/cm</i>	Saturated Paste Method
<i>Bulk Density</i>	<i>1200-1300 kg/m³</i>	USGA Journal & Turf Management

Product available in Bulk or Bagged in totes

Results reported on a dry weight basis - The above results relate to the individual sample submitted and analysed on 02/25. We strive to maintain high quality and consistency of product, these results are to be used as a guideline. Actual product may vary. If you require a current analysis please let us know.

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