



TECHNICAL DATA SHEET

GREENE ROOF

LIGHTWEIGHT STRUCTURED SOIL

- * LOW BULK DENSITY SOIL
- * NUTRIENT RICH
- * SANDY TEXTURE
- * GOOD PERMEABILITY

GENERAL INFORMATION

Composition	Native Soil Materials Mineral Filler Natural Sand Organic Compost
Dry Bulk Density	0.75-1.1 tons/yd ³
Textural Classification	Loamy Sand
Organic Matter	3-6 %
pH	6.5-7.5
Maximum Particle Size	9.5 mm

TYPICAL ANALYSIS

Sand.....	86 %
Silt.....	4 %
Clay.....	10 %
USDA Classification.....	Loamy Sand
Moisture.....	23.4 %
Organic Matter (OM).....	3-6 %
pH.....	6.5-7.5
Estimated Nitrogen Release (ENR).....	149 lbs/A
Phosphorus (P).....	40 ppm
Potassium (K).....	210 ppm
Magnesium (Mg).....	147 ppm
Calcium (Ca).....	2133 ppm
Sodium (Na).....	166 ppm
Sulfur (SO4-S) (S).....	131 ppm
Zinc (Zn).....	11 ppm
Manganese (Mn).....	89 ppm
Iron (Fe).....	197 ppm
Copper (Cu).....	2.6 ppm
Boron (B).....	2.2 ppm
Soluble Salts.....	0.8ms/cm
Acidity (H).....	N/A
Cation Exchange Capacity (CEC).....	13.1 meq/100g

TYPICAL SIEVE ANALYSIS

	(% passing)
9.50 mm.....	100.0 %
4.75 mm.....	85.6 %
2.36 mm.....	61.0 %
1.18 mm.....	42.4 %
0.60 mm.....	30.2 %
0.30 mm.....	22.2 %
0.15 mm.....	14.2 %
0.075 mm.....	7.5 %



APPLICATION

For use in green roof settings, where lightweight/low density soil profiles are required for engineered, specified weight restrictions.

For more information on Luck Stone Corporation and our products, please visit www.luckstone.com.

These products are mixes of natural materials, so results can vary.