Technical Data Sheet

GreenScience™ GROWING MEDIA

CU-Structural Soil®

Key Benefits

- Provides adequate rooting volume to grow healthy urban trees while supporting pavement loads, which would otherwise be impeded by compacted soil
- Protects pavements by eliminating surface roots from trees planted near pavements
- Developed and tested by Cornell University
- Over twenty-five years of proven success in growing healthy urban trees across the United States
- Carefully mixed and blended by Luck Ecosystems, a licensed producer

Applications

- Urban tree wells adjacent to pavements
- Vegetated fire lanes
- In conjunction with porous pavement
- Turf covered parking and driveway areas

Composition	Open-graded aggregate Inert hydrogel tackifier Clay loam soil
Bulk Density *prior to full compaction*	1.6 tons/yd^3 (approximate) *assumes moderate compaction and average moisture*

CU-Soil® Typical Analysis

Standard Proctor

Maximum Dry Density	119 - 122 pcf
Optimum Moisture Content	7 - 8%
CBR, @ 65 blows, 0.10 in.	49 - 75%
CBR, @ 65 blows, 0.20 in.	55 - 77%

Crushed Stone Typical Analysis

Size	0.75 - 1.50 inches
Dimensions	2.5 : 1.0 max in any two dimensions
Fractured Faces	100%
Soundness	18% max
L.A. Abrasion	40% max
Pore Space	40 - 43%
Bulk Density (dry-rodded)	95 - 98 pcf

Clay Loam Soil Typical Analysis

Gravel	< 5%
Sand	20 - 50%
Silt	20 - 45%
Clay	20 - 40%
pH	5.5 - 6.5
Organic Matter	2 - 6%
Soluble Salts	< 1.0 mmhos/cm
CEC	>10
C:N	< 33:1

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These products are mixes of natural materials, so results may vary.
For more information on Luck Ecosystems, please visit:
www.luckecosystems.com