

UTAH TOPSOIL & HAULING CO. DRIVABLE GRASS STRUCTURAL SOIL

PART 1: MEDIA BLEND COMPONENTS

Structural Soil Media

A. Lightweight Aggregate	60%
B. Screened Sandy Loam	30%
C. Organic Compost	10%

PART 2: SUPPLIER CONTACT INFORMATION

Utah Topsoil & Hauling Co.
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PART 3: COMPONENT PROPERTIES

A. Lightweight Aggregate

Acceptable Sources:

MagmaLite Volcanic Aggregate
Gradation – Soil Conditioner

Utelite Expanded Shale Aggregate
Gradation – Fines / Soil Conditioner

B. Screened Sandy Loam

Texture	Sand to Sandy Loam Topsoil
pH	6.5 – 8
Soluble Salts	<4
Sodium Adsorption Ratio	<7
Organic Matter %	>2

C. Organic Compost

pH	6 – 8
Soluble Salts	<5
Sodium Adsorption Ratio	<10
Carbon / Nitrogen Ratio	<30:1
Moisture %	25 – 35
Coarse Material 98% Passing	3/8"

PART 4: COMPONENT BLENDING

1. Mechanically mix 3 parts sandy loam to 1 part organic compost until a uniform distribution is achieved.
2. Mechanically mix 6 parts lightweight aggregate soil conditioner to 3 parts of the sandy loam / organic compost blend until a uniform distribution is achieved. Lightly adding water to the aggregate can aid in the blending process.
3. When stockpiling the finished mix, cover the pile with a tarp to prevent drying out and separation from rain.
4. Install the mix within 48 hours of mixing.

PART 5: INSTALLATION

1. Prepare the subgrade by removing all organic matter, debris, loose material and large rocks. Dig out soft or mucky spots and replace them with suitable material. Uniformly compact the subgrade to 90 - 95% of its maximum dry density. Place geotextile grid if required by engineer.
2. The drivable grass structural soil media shall be placed in a uniform lift over the entire area of the project not exceeding 10 inches. The area should be compacted to provide a finished lift of 10 inches. Compact using a vibratory plate with a minimum of four passes of not less than 10 seconds per pass. Additional passes may be required by the engineer. Construction equipment, other than for compaction, shall not operate on the exposed structural soil.
3. The final compacted depth of mix shall not be less than 10 inches deep.

PART 6: SOD INSTALLATION

1. Sod grown in sand-based soil is recommended for this application.

2. Place sod directly on drivable grass structural soil as specified by landscape architect.
 - a. Optional – The placement of a 1” to 2” root zone layer might be required for seeding or sod establishment. The root zone layer is placed over the finished and compacted structural soil and should not exceed a depth of 2”.