

UTELITE STRUCTURAL SOIL

PART 1: GENERAL

STRUCTURAL SOIL

- A. Utelite 'Coarse' Expanded Shale 5 parts
- B. Clay Loam* 1 part

TREE PIT BACKFILL PLANTING MIX

- A. Structural Soil Mix 50%
- B. Quality Topsoil** 50%

PART 2: COMPONENTS

- A. Utelite Coarse Rotary Kiln Expanded Shale

ASTM C29 Unit Dry Weight Loose (cu. ft.) 47 – 57
Gradation: 3/4" - #4 size

Sieve Size	% Passing
1"	100
3/4"	90-100
3/8"	10-60
#4	0-10

Acceptable Expanded Shale Manufacturer and Supplier:

Utelite Corporation, Scott Jenson, 801-243-9348
PO Box 387, Coalville, UT 84017

- B. Clay Loam

Texture: 20-40% sand
20-35% silt
25-40% clay
<5% organic

*Type and texture of loam may vary to meet testing, project requirements or local availability.

**Quality Topsoil will have favorable characteristics and properties as determined by soil analysis. Analysis to include pH, EC, SAR, OM, Texture, NO₃ - N, P, K, FE.

PART 3: MIXING PROCEDURE

1. Mechanically mix sand, clay and loam (if necessary) to meet specifications.
2. Saturate the Utelite Expanded Shale with water.
3. Mechanically mix 1 part of the DRY clay loam to 5 parts of the wetted Utelite Expanded Shale until a uniform distribution of the components is achieved and the aggregate particles are completely coated with the clay loam.
4. Compact the mix immediately after placement in one foot lifts with a vibratory plate or vibratory roller.
5. When stockpiling the finished mix, cover the pile with a tarp to prevent drying out and separation from rain.