UTELITE

GREENROOF DRAINAGE MEDIA/ LIGHTWEIGHT FILL

Utelite Corporation
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PART 1: GENERAL

DRAINAGE MEDIA / LIGHTWEIGHT FILL

A. Utelite 'Mediums' Expanded Shale 100%

PART 2: PRODUCTS

A. Utelite 'Mediums' Rotary Kiln Expanded Shale

ASTM C29 Unit Dry Weight Loose (cu. ft.) 48 – 55 lbs
Shall Meet the Following Gradation

Sieve Size	% Passing
1/2"	100
3/8"	80 – 100
#4	5 – 60
#8	0 – 20
#16	0 – 10

PART 3: PLACEMENT PROCEDURE

A. Place expanded shale directly over the drainage system at specified depth to meet fill and grade shape requirement. Compact at one foot lifts.

1. Adequacy of the final compaction shall be determined in the field by the engineer to achieve compaction

2. **Optional-** If wooden forms are used, install as directed by the Engineer

3. The lightweight expanded shale fill material shall placed in approximately one foot uniform lifts over the entire area of project and compact each lift, including the open tree pit areas. Construction equipment, other than for compaction, shall not operate on the exposed structural fill. Over-compaction should be avoided. No foot or equipment traffic will be allowed on the compacted material until the stabilized surface is placed.

B. COMPACTING

1. Use of portable vibratory plate compacting machine.
Place fill in horizontal lifts not exceeding 12 inches of compacted depth. Use a minimum of two passes, of not less than 10 seconds per pass, before moving the vibratory plate to the next adjacent location. Additional passes may be required and should be determined in the field by the engineer to insure stability of the layer. Continue placing and compacting 12" lifts until the specified depth is reached.

2. Use of vibratory steel roller.

For large spaces, a vibratory steel roller weighing no more than 12 tons static weight can be used. Horizontal lifts should not exceed 12" compacted. The minimum number of passes is two and maximum number is four. Additional passes may be required and should be determined in the field by the engineer to insure stability of the layer.

3. Cover fill with approved filter cloth before placing planting media or surface treatment. Concrete may be poured directly on fill material.