



**TURF UTELITE E-SOIL®  
TURF ATHLETIC FIELD SOIL  
(SOIL BASED)**

Utelite Corporation  
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**PART 1: GENERAL**

SOIL BASED TURF ATHLETIC FIELD SOIL

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|--|-----|
| A. Utelite Vitrified Shale Conditioner | 40% |
| B. Loamy Soil                          | 50% |
| C. Approved Compost or Peat            | 10% |

Percentages of components can be altered to meet testing requirements.

**PART 2: COMPONENTS**

- A. Utelite Vitrified Shale Conditioner

Utelite 'Fines' Expanded Shale Aggregate

pH range: 7.5 – 9.0  
 Water retention: 15 – 35%  
 Bulk density (cu. ft.): 50 – 55 lbs  
 Saturated weight (cu. ft.): 60 – 75 lbs  
 Porosity (%) Non-Capillary 34.9 Capillary 23.5 Total 58.5

- B. Loam Soil

Texture Loam

30% - 50% Sand  
 30% - 50% Silt  
 10% - 25% Clay  
 <5% Organic Matter

- C. Peat Moss or Approved Compost

pH	6 – 8
Soluble Salts	<5
Sodium Adsorption Ratio	<10
Carbon / Nitrogen Ratio	<20:1
Moisture %	25 – 35
Coarse Material 98% Passing	3/8"

### **PART 3: BLENDING INSTRUCTIONS**

1. Mechanically mix the Utelite Soil Conditioner and peat or compost at a ratio of 3 parts Utelite to 1 part peat or compost until a uniform distribution is achieved.
2. Mechanically mix the loamy topsoil and the Utelite peat blend at a ratio of 1 part loamy topsoil to 1 part Utelite/peat blend until they are uniformly distributed.
3. When stockpiling the finished mix, cover the pile with a plastic tarp to prevent drying out and soil separation from rain.