

2.0 PermaTill Base Applications For Existing Clay Soil

2.1 Product

A. **STALITE PermaTill** Rotary Kiln Expanded Slate

1. ASTM C29 Unit Dry Weight loose (52 lb./cf to 55 lb./cf)
2. ASTM C127 Specific Gravity to meet 1.45 to 1.60, SSD

STALITE PermaTill Expanded Slate

(5/16") PermaTill Expanded Aggregate

Sieve Size	% Passing
1/2"	100
3/8"	80 - 100
#4	5 - 40
#8	0 - 20
#16	0 - 10

5. Absorption (ASTM C127) 5 to 9 %
6. The expanded slate must contain **no** clay lumps or any organic impurities.

2.2 Tilling PermaTill Into Existing Soil

A. Using a mechanical tiller.

1. Kill any undesirable vegetation with approved herbicide.
2. Remove dead vegetation and other debris.
3. Subsoil, disk or till soil to a depth of 8" to 12"
4. For a 35% to 50% amendment: place 2 to 4 inches of PermaTill over the entire area to be planted depending on clay content.
5. Using a tiller, completely till the four inch layer of PermaTill into the soil.
6. Rake the surface smooth and install sod as specified.