

2.0 PermaTill Planting 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

3/8" - #8 (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. If organic matter is required, add 1" to 2" of an approved compost over the surface area to be planted.
6. Using a tiller, completely till the four inch layer of PermaTill (with compost) into the soil.
7. Rake the surface smooth and install plants or sod as specified.

