



**Mid-Atlantic
Erosion Control, Inc.**
704-483-1100

TerraGuard 44P

TerraGuard 44P is a non-biodegradable erosion control blanket composed of polypropylene fibers stitched between two nets to create a stable and durable network such that the fibers retain their relative position. It is used for slope erosion control as well as channel lining.

TerraGuard 44P is manufactured to meet or exceed the following average roll values:

Property		Minimum Average Roll Value	Minimum Average Roll Value
		<u>English</u>	<u>Metric</u>
Matrix		Polypropylene	Polypropylene
Mass per Unit Area	ASTM D-6566	8.0 oz/yd²	271 g/m²
Thickness	ASTM D-6525	0.35 in	8.9 mm
Light Penetration	ASTM D-6567	40 %	40 %
Tensile Strength	ASTM D-6818	225x175 Lbs/ft	3.3 x 2.6 kN/m
Tensile Elongation	ASTM D-6818	50 %	50 %
Resiliency	ASTM D-6524	80 %	80 %
Flexibility (avg)	ASTM D-6575	.015 In-lbs (avg)	16,000 mg-cm
Blanket Life (average)		Permanent	Permanent
UV Resistance	ASTM D 4355	80 % @ 1000hrs	80 % @ 1000hrs
Performance			
Velocity (Vegetated)	Large Scale	12 ft/sec	3.7 m/sec
Shear Stress (Vegetated)	Large Scale	8 lbs/ft²	383 Pa
Mannings "n" (Unvegetated)	Calculated	0.025	0.025
Seedling Emergence	ECTC Draft #4	273 %	273 %
Roll Width Measured		6.5 ft	2.00 m
Roll Length Measured		138.5 ft	42.2 m
Roll Area Measured		100 yd²	84 m²
Roll Weight Measured		50 lbs	22.7 kg