



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

TerraGuard 45P

TerraGuard 45P 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 45P 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	10.0 oz/yd²	340 g/m²
Thickness	ASTM D-6525	0.40 in	10.1 mm
Light Penetration	ASTM D-6567	20 %	20 %
Tensile Strength	ASTM D-6818	400x300 Lbs/ft	5.3 x 4.3 kN/m
Tensile Elongation	ASTM D-6818	50 %	50 %
Resiliency	ASTM D-6524	90 %	90 %
Flexibility	ASTM D-6575	.026 In-lbs (avg)	30,000 mg-cm (avg)
Blanket Life (average)		Permanent	Permanent
UV Resistance	ASTM D 4355	80 % @ 1000hrs	80 % @ 1000hrs
Performance			
Velocity (Vegetated)	Large Scale	18 ft/sec	5.5 m/sec
Shear Stress (Vegetated)	Large Scale	10 lbs/ft²	479 Pa
Mannings "n" (Unvegetated)	Calculated	0.025	0.025
Seedling Emergence	ECTC Draft #4	409 %	409 %
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	63 lbs	28.6 kg