



## 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:

<u>Property</u>		<u>Minimum Average Roll Value English</u>	<u>Minimum Average Roll Value Metric</u>
		<b>Polypropylene</b>	<b>Polypropylene</b>
Matrix			
Mass per Unit Area	ASTM D-6566	<b>10.0</b> oz/yd <sup>2</sup>	<b>340</b> g/m <sup>2</sup>
Thickness	ASTM D-6525	<b>0.40</b> in	<b>10.1</b> mm
Light Penetration	ASTM D-6567	<b>20</b> %	<b>20</b> %
Tensile Strength	ASTM D-6818	<b>400x300</b> Lbs/ft	<b>5.3 x 4.3</b> kN/m
Tensile Elongation	ASTM D-6818	<b>50</b> %	<b>50</b> %
Resiliency	ASTM D-6524	<b>90</b> %	<b>90</b> %
Flexibility	ASTM D-6575	<b>.026</b> In-lbs (avg)	<b>30,000</b> mg-cm (avg)
Blanket Life (average)		<b>Permanent</b>	<b>Permanent</b>
UV Resistance	ASTM D 4355	<b>80</b> % @ 1000hrs	<b>80</b> % @ 1000hrs
 <b>Performance</b>			
Velocity (Vegetated)	Large Scale	<b>18</b> ft/sec	<b>5.5</b> m/sec
Shear Stress (Vegetated)	Large Scale	<b>10</b> lbs/ft <sup>2</sup>	<b>479</b> Pa
Mannings "n" (Unvegetated)	Calculated	<b>0,025</b>	<b>0.025</b>
Seedling Emergence	ECTC Draft #4	<b>409</b> %	<b>409</b> %
Roll Width	Measured	<b>6.5</b> ft	<b>2.00</b> m
Roll Length	Measured	<b>138.5</b> ft	<b>42.2</b> m
Roll Area	Measured	<b>100</b> yd <sup>2</sup>	<b>84</b> m <sup>2</sup>
Roll Weight	Measured	<b>63</b> lbs	<b>28.6</b> kg

01/09