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## Type 1.D

### Type 1.D – Paragraph Form

Product shall be ECTC Type 1.D, which is comprised of processed degradable natural and/or polymer fibers mechanically bound together between two rapidly degrading, synthetic or natural fiber nettings. Product shall have a C Factor  $\leq 0.10$  from standardized large-scale rainfall performance testing, ASTM D6459 or equivalent deemed acceptable by the engineer. Product unvegetated permissible shear stress rating shall be  $\geq 1.75$  lbs/ft<sup>2</sup> ( $\geq 84$  Pa) according to ASTM D6460 or equivalent deemed acceptable by the engineer. MD (Machine Direction) tensile strength shall be  $\geq 75$  lbs/ft ( $\geq 1.1$  kN/m) x TD (Transverse Direction) tensile strength of  $\geq 40$  lbs/ft ( $\geq 0.6$  kN/m) according to ASTM D6818. Product shall have a thickness  $\geq 0.25$  in –  $\leq 0.50$  in (6.4 mm - 12.7 mm) according to ASTM D6525, ground coverage of  $\geq 50\%$  -  $\leq 90\%$  according to ASTM D6567, and mass per unit area of  $\geq 8.0$  oz/yd<sup>2</sup> ( $\geq 271$  g/m<sup>2</sup>) according to ASTM D6475.

### Type 1.D – Tabular Form

ECTC Type	1.D
Product Description	Double-net Erosion Control Blankets
Material Composition	Processed degradable natural and/or polymer fibers mechanically bound together between two rapidly degrading, synthetic or natural fiber nettings
C Factor <sup>b</sup>	$\leq 0.10$
Shear Stress <sup>c</sup>	$\geq 1.75$ lbs/ft <sup>2</sup> ( $\geq 84$ Pa)
MD Material Tensile Strength (ASTM D6818)	$\geq 75$ lbs/ft ( $\geq 1.1$ kN/m)
TD Material Tensile Strength (ASTM D6818)	$\geq 40$ lbs/ft ( $\geq 0.6$ kN/m)
Material Thickness (ASTM D6525)	$\geq 0.25$ in – $\leq 0.50$ in (6.4 mm - 12.7 mm)
Ground Coverage (ASTM D6567)	$\geq 50\%$ - $\leq 90\%$
Mass Per Unit Area (ASTM D6475)	$\geq 8.0$ oz/yd <sup>2</sup> ( $\geq 271$ g/m <sup>2</sup> )

a. C Factor and permissible shear stress for Types 1.A. and 2.A. mulch control nettings must be obtained with netting used in conjunction with pre-applied mulch material.

b. ASTM D6459 or equivalent deemed acceptable by the engineer.

c. ASTM D6460 or equivalent deemed acceptable by the engineer.