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Type 4.B

Type 4.B – Paragraph Form

Product shall be ECTC Type 4.B, which is an erosion control blanket composed of processed slow degrading natural or polymer fibers mechanically bound together between two slow degrading synthetic or natural fiber nettings to form a continuous matrix. Product shall have a C Factor ≤ 0.05 from standardized large-scale rainfall performance testing, ASTM D6459 or equivalent deemed acceptable by the engineer. Product unvegetated permissible shear stress rating shall be ≥ 2.25 lbs/ft^2 (≥ 108 Pa) according to ASTM D6460 or equivalent deemed acceptable by the engineer. MD (Machine Direction) tensile strength shall be ≥ 100 lbs/ft (≥ 1.5 kN/m) x TD (Transverse Direction) tensile strength of ≥ 40 lbs/ft (≥ 0.6 kN/m) according to ASTM D6818. Product shall have a thickness ≥ 0.20 in – ≤ 0.50 in (5.1 mm – 12.7 mm) according to ASTM D6525, ground coverage of ≥ 50% - ≤ 95% according to ASTM D6567, and mass per unit area of ≥ 8.0 oz/yd^2 (≥ 271 g/m^2) according to ASTM D6475.

Type 4.B – Tabular Form

ECTC Type	4.B
Product Description	Erosion Control Blanket
Material Composition	An erosion control blanket composed of processed slow degrading natural or polymer fibers mechanically bound together between two slow degrading synthetic or natural fiber nettings to form a continuous matrix.
C Factor[b]	≤ 0.05
Shear Stress[c]	≥ 2.25 lbs/ft^2 (≥ 108 Pa)
MD Material Tensile Strength (ASTM D6818)	≥ 100 lbs/ft (≥ 1.5 kN/m)
TD Material Tensile Strength (ASTM D6818)	≥ 40 lbs/ft (≥ 0.6 kN/m)
Material Thickness (ASTM D6525)	≥ 0.20 in – ≤ 0.50 in (5.1 mm – 12.7 mm)
Ground Coverage (ASTM D6567)	≥ 50% - ≤ 95%
Mass Per Unit Area (ASTM D6475)	≥ 8.0 oz/yd^2 (≥ 271 g/m^2)

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.