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Type 1.C

Type 1.C – Paragraph Form

Product shall be ECTC Type 1.C, which is comprised of processed degradable natural and/or polymer fibers mechanically bound together by a single rapidly degrading, synthetic or natural fiber netting. Product shall have a C Factor ≤ 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 $\geq 1.5 \text{ lbs/ft}^2$ ($\geq 72 \text{ Pa}$) according to ASTM D6460 or equivalent deemed acceptable by the engineer. MD (Machine Direction) tensile strength shall be $\geq 60 \text{ lbs/ft}$ ($\geq 0.9 \text{ kN/m}$) x TD (Transverse Direction) tensile strength of $\geq 20 \text{ lbs/ft}$ ($\geq 0.3 \text{ kN/m}$) according to ASTM D6818. Product shall have a thickness $\geq 0.25 \text{ in} - \leq 0.50 \text{ in}$ (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 $\geq 8.0 \text{ oz/yd}^2$ ($\geq 271 \text{ g/m}^2$) according to ASTM D6475.

Type 1.C – Tabular Form

ECTC Type	1.C
Product Description	Single-net Erosion Control Blankets
Material Composition	Processed degradable natural and/or polymer fibers mechanically bound together by a single rapidly degrading, synthetic or natural fiber netting
C Factor ^b	≤ 0.10
Shear Stress ^c	$\geq 1.5 \text{ lbs/ft}^2$ ($\geq 72 \text{ Pa}$)
MD Material Tensile Strength (ASTM D6818)	$\geq 60 \text{ lbs/ft}$ ($\geq 0.9 \text{ kN/m}$)
TD Material Tensile Strength (ASTM D6818)	$\geq 20 \text{ lbs/ft}$ ($\geq 0.3 \text{ kN/m}$)
Material Thickness (ASTM D6525)	$\geq 0.25 \text{ in} - \leq 0.50 \text{ in}$ (6.4 mm - 12.7 mm)
Ground Coverage (ASTM D6567)	$\geq 50\% - \leq 90\%$
Mass Per Unit Area (ASTM D6475)	$\geq 8.0 \text{ oz/yd}^2$ ($\geq 271 \text{ g/m}^2$)

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.