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Type 1.A

Type 1.A – Paragraph Form

Product shall be ECTC Type 1.A, which is a photodegradable synthetic mesh or a woven biodegradable natural fiber netting. Product shall have a C Factor ≤ 0.10 obtained with netting used in conjunction with pre-applied mulch material from standardized large-scale rainfall performance testing, ASTM D6459 or equivalent deemed acceptable by the engineer. Product unvegetated permissible shear stress rating shall be $\geq 1.0 \text{ lbs/ft}^2$ ($\geq 48 \text{ Pa}$) according to ASTM D6460 or equivalent deemed acceptable by the engineer. MD (Machine Direction) tensile strength shall be $\geq 125 \text{ lbs/ft}$ ($\geq 1.8 \text{ kN/m}$) x TD (Transverse Direction) tensile strength of $\geq 10 \text{ lbs/ft}$ ($\geq 0.1 \text{ kN/m}$) according to ASTM D6818. Product shall have a thickness $\geq 0.03 \text{ in}$ ($\geq 0.76 \text{ mm}$) according to ASTM D6525, ground coverage of $\geq 3\%$ according to ASTM D6567, and mass per unit area of $\geq 0.2 \text{ oz/yd}^2$ ($\geq 7 \text{ g/m}^2$) according to ASTM D6475.

Type 1.A – Tabular Form

ECTC Type ^a	1.A
Product Description	Netting/Open Weave Textile
Material Composition	A photodegradable synthetic mesh or a woven biodegradable natural fiber netting
C Factor ^b	≤ 0.10
Shear Stress ^c	$\geq 1.0 \text{ lbs/ft}^2$ ($\geq 48 \text{ Pa}$)
MD Material Tensile Strength (ASTM D6818)	$\geq 125 \text{ lbs/ft}$ ($\geq 1.8 \text{ kN/m}$)
TD Material Tensile Strength (ASTM D6818)	$\geq 10 \text{ lbs/ft}$ ($\geq 0.1 \text{ kN/m}$)
Material Thickness (ASTM D6525)	$\geq 0.03 \text{ in}$ ($\geq 0.76 \text{ mm}$)
Ground Coverage (ASTM D6567)	$\geq 3\%$
Mass Per Unit Area (ASTM D6475)	$\geq 0.2 \text{ oz/yd}^2$ ($\geq 7 \text{ g/m}^2$)

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.