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## Type 4.A

### Type 4.A – Paragraph Form

Product shall be ECTC Type 4.A, which is an open weave textile composed of processed slow degrading natural or polymer yarns or twines woven into a continuous matrix. Product shall have a C Factor  $\leq 0.05$  from standardized large-scale rainfall performance testing, ASTM D6459 or equivalent deemed acceptable by the engineer. Product unvegetated permissible shear stress rating shall be  $\geq 2.25 \text{ lbs/ft}^2$  ( $\geq 108 \text{ Pa}$ ) according to ASTM D6460 or equivalent deemed acceptable by the engineer. MD (Machine Direction) tensile strength shall be  $\geq 100 \text{ lbs/ft}$  ( $\geq 1.5 \text{ kN/m}$ ) x TD (Transverse Direction) tensile strength of  $\geq 40 \text{ lbs/ft}$  ( $\geq 0.6 \text{ kN/m}$ ) according to ASTM D6818. Product shall have a thickness  $\geq 0.20 \text{ in} - \leq 0.40 \text{ in}$  ( $5.1 \text{ mm} - 10.1 \text{ mm}$ ) according to ASTM D6525, ground coverage of  $\geq 50\%$  according to ASTM D6567, and mass per unit area of  $\geq 20.0 \text{ oz/yd}^2$  ( $\geq 678 \text{ g/m}^2$ ) according to ASTM D6475.

### Type 4.A – Tabular Form

ECTC Type	4.A
Product Description	Open Weave Textile
Material Composition	An open weave textile composed of processed slow degrading natural or polymer yarns or twines woven into a continuous matrix.
C Factor <sup>b</sup>	$\leq 0.05$
Shear Stress <sup>c</sup>	$\geq 2.25 \text{ lbs/ft}^2$ ( $\geq 108 \text{ Pa}$ )
MD Material Tensile Strength (ASTM D6818)	$\geq 100 \text{ lbs/ft}$ ( $\geq 1.5 \text{ kN/m}$ )
TD Material Tensile Strength (ASTM D6818)	$\geq 40 \text{ lbs/ft}$ ( $\geq 0.6 \text{ kN/m}$ )
Material Thickness (ASTM D6525)	$\geq 0.20 \text{ in} - \leq 0.40 \text{ in}$ ( $5.1 \text{ mm} - 10.1 \text{ mm}$ )
Ground Coverage (ASTM D6567)	$\geq 50\%$
Mass Per Unit Area (ASTM D6475)	$\geq 20.0 \text{ oz/yd}^2$ ( $\geq 678 \text{ g/m}^2$ )

*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.*