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 ≥ 1.0 lbs/ft2 (≥ 48 Pa) according to ASTM D6460 or equivalent deemed acceptable by the engineer. MD (Machine Direction) tensile strength shall be ≥ 125 lbs/ft (≥ 1.8 kN/m) x TD (Transverse Direction) tensile strength of ≥ 10 lbs/ft (≥ 0.1 kN/m) according to ASTM D6818. Product shall have a thickness ≥ 0.03 in (≥ 0.76 mm) according to ASTM D6525, ground coverage of ≥ 3% according to ASTM D6567, and mass per unit area of ≥ 0.2 oz/yd2 (≥ 7 g/m2) according to ASTM D6475.

Type 1.A – Tabular Form

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| ECTC Typea  | 1.A |
| Product Description | Netting/Open Weave Textile |
| Material Composition | A photodegradable synthetic mesh or a woven biodegradable natural fiber netting |
| C Factorb | ≤ 0.10 |
| Shear Stressc | ≥ 1.0 lbs/ft2 (≥ 48 Pa) |
| MD Material Tensile Strength(ASTM D6818) | ≥ 125 lbs/ft (≥ 1.8 kN/m) |
| TD Material Tensile Strength(ASTM D6818) | ≥ 10 lbs/ft (≥ 0.1 kN/m) |
| Material Thickness (ASTM D6525) | ≥ 0.03 in (≥ 0.76 mm) |
| Ground Coverage (ASTM D6567) | ≥ 3% |
| Mass Per Unit Area (ASTM D6475) | ≥ 0.2 oz/yd2 (≥ 7 g/m2) |

*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.*