Type 1.D

Type 1.D – Paragraph Form

Product shall be ECTC Type 1.D, which is comprised of processed degradable natural and/or polymer fibers mechanically bound together between two rapidly degrading, synthetic or natural fiber nettings. 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 ≥ 1.75 lbs/ft2 (≥ 84 Pa) according to ASTM D6460 or equivalent deemed acceptable by the engineer. MD (Machine Direction) tensile strength shall be ≥ 75 lbs/ft (≥ 1.1 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 ≥ 0.25 in – ≤ 0.50 in (6.4 mm - 12.7 mm) according to ASTM D6525, ground coverage of ≥ 50% - ≤ 90% according to ASTM D6567, and mass per unit area of ≥ 8.0 oz/yd2 (≥ 271 g/m2) according to ASTM D6475.

Type 1.D – Tabular Form

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| --- | --- |
| ECTC Type | 1.D |
| Product Description | Double-net Erosion Control Blankets |
| Material Composition | Processed degradable natural and/or polymer fibers mechanically bound together between two rapidly degrading, synthetic or natural fiber nettings |
| C Factorb | ≤ 0.10 |
| Shear Stressc | ≥ 1.75 lbs/ft2 (≥ 84 Pa) |
| MD Material Tensile Strength  (ASTM D6818) | ≥ 75 lbs/ft (≥ 1.1 kN/m) |
| TD Material Tensile Strength  (ASTM D6818) | ≥ 40 lbs/ft (≥ 0.6 kN/m) |
| Material Thickness (ASTM D6525) | ≥ 0.25 in – ≤ 0.50 in (6.4 mm - 12.7 mm) |
| Ground Coverage (ASTM D6567) | ≥ 50% - ≤ 90% |
| Mass Per Unit Area (ASTM D6475) | ≥ 8.0 oz/yd2 (≥ 271 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.*