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# ETTT-C Erosion Control Blanket

## ETTT-C Triple Net Coir Turf Reinforcement Mat

A permanent turf reinforced mat blanket featuring 100% coir fill with three polypropylene nets securely sewn together with UV stabilized thread. This product meets all FHWA FP-03 requirements for a Type 3.B erosion control blanket.

| Part Numbers         | ETTT-C100   | ETTT-C200        | ETTT-C500       | ETTT-C1000       |
|----------------------|---|------------------|-----------------|------------------|
| Blanket Size         | 8 ft x 112.5 ft   | 16 ft x 112.5 ft | 8 ft x 562.5 ft | 16 ft x 562.5 ft |
| Rolls per Pallet     | 9   | 9                | 4               | 2                |
| Rolls per Truck Load | 216   | 108              | 96              | 48               |
| Netting              | Top & Bottom Net – 8 lb UV Stabilized Polypropylene/ Middle Net – 24 lb UV Stabilized Polypropylene |                  |                 |                  |
| Opening Size         | 1/2 in opening – top, middle, bottom  |                  |                 |                  |
| Stitching Thread     | UV Stabilized Polypropylene   |                  |                 |                  |
| Stitching Frequency  | 2 in  |                  |                 |                  |
| Fill                 | 100% Coir   |                  |                 |                  |
| Packaging            | Each Roll is Individually Stretched Wrapped with a Label  |                  |                 |                  |

| INDEX TESTING                    | TEST METHOD | UNIT        | ENGLISH     |
|----------------------------------|-------------|-------------|-------------|
| Mass per Unit Area               | ASTM D 6475 | oz / sq yd  | 12.42       |
| Thickness                        | ASTM D 6525 | mils        | 263         |
| Tensile Strength                 | ASTM D 6818 | lb/in       | 74.4 x 54.7 |
| Ground Cover / Light Penetration | ASTM D 6567 | %           | 88.0 / 12.0 |
| Water Absorption                 | ASTM D 1117 | % wt Change | 148         |

| BENCH-SCALE TESTING  | TEST METHOD | Parameter  | ENGLISH                       |
|--|-------------|--|-------------------------------|
| Determination of Unvegetated RECP Ability to Protect Soil from Rain Splash and Associated Runoff Under Bench-Scale Conditions    | ASTM D 7101 | 50 mm (2 in.) / hr for 30 min.   | Soil Loss Ratio = 19.55       |
|  |             | 100 mm (4 in.) / hr for 30 min.  | Soil Loss Ratio = 45.10       |
|  |             | 150 mm (6 in.) / hr for 30 min.  | Soil Loss Ratio = 26.48       |
| Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically Induced Shear Stresses Under Bench-Scale Conditions | ASTM D 7207 | Shear: TBD psf for 30 min.   | Soil Loss = 94.9 g            |
|  |             | Shear: TBD psf for 30 min.   | Soil Loss = 364 g             |
|  |             | Shear: TBD psf for 30 min.   | Soil Loss = 644.4 g           |
|  |             | Soil loss curve intercept =  | 3.81 psf @ 1/2-in soil loss   |
| Determination of Temporary Degradable RECP Performance in Encouraging Seed Germination and Plant Growth                          | ASTM D 7322 | Topsoil; Fescue (Kentucky 31); 21-day incubation; 27±2° & approximately 45±5% RH | % of Control                  |
|  |             |  | = 279%<br>(increased biomass) |

| LARGE-SCALE TESTING | TEST METHOD | UNIT               | ENGLISH |
|---------------------|-------------|--------------------|---------|
| Slope Erosion       | ASTM D 6459 | C Factor           | TBD     |
| Channel Erosion     | ASTM D 6460 | lb/ft <sup>2</sup> | 2.4     |

**Notes:**

1. Soil Loss Ratio = Soil Loss Bare Soil / Soil Loss with RECP = 1 / C-Factor (Note: soil loss is based on regression analysis).
2. Permissible Velocity and Shear Stress have been obtained through large scale test programs featuring specific soil types, vegetation classes, flow conditions, anchor methods, and failure criteria. These conditions may not be relevant to every project nor can they be replicated by other manufacturers. Please contact your Erosion Tech rep for more information.
3. Design Performance Criteria for Vegetated Velocity and Shear Stress are estimated values given the typical industry results for RECP's manufactured to FHWA FP-03 Type 3.B standards and with similar physical properties. The Designing Engineer is responsible for determining the suitability of this product on projects.

