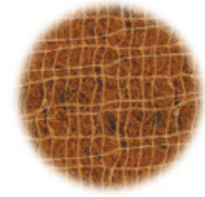




A **tensar** Company

SUPPLEMENTAL SPECIFICATION

C125BN



The North American Green C125BN long-term erosion control blanket is constructed of 100% biodegradable materials containing a 100% coconut fibre matrix and has a functional longevity of up to 24 months. (NOTE: functional longevity may vary depending upon climatic conditions, soil, geographic location, and elevation). The coconut fiber shall be evenly distributed over the entire area of the blanket. The blanket shall be covered on the top and bottom with 100% biodegradable natural organic fiber netting woven into an approximate 1.27 x 2.54 cm mesh. The blanket shall be sewn together with biodegradable thread on 3.81 cm centers. The following list contains further physical properties of the C125BN erosion control blanket.

| <u>Property</u> | <u>Test Method</u> | <u>Typical</u> |
|-----------------------|--------------------|---------------------------|
| Thickness | ASTM D5199/ECTC | 6.60 mm |
| Resiliency | ECTC Guidelines | 85% |
| Mass per Unit Area | ASTM D6475 | 8.83 300 g/m ² |
| Water Absorption | ASTM D1117/ECTC | 155% |
| Swell | ECTC Guidelines | 40% |
| Stiffness/Flexibility | ASTM D1388/ECTC | 1,218 mg-cm |
| Light Penetration | ECTC Guidelines | 16.40% |
| Smolder Resistance | ECTC Guidelines | Yes** |
| MD Tensile Strength | ASTM D5035 | 4.98 kN/m |
| MD Elongation | ASTM D5035 | 7.60% |
| TD Tensile Strength | ASTM D5035 | 3.08 kN/m |
| TD Elongation | ASTM D5035 | 11.10% |

**Material is smolder resistant according to specified test

MD – Machine Direction

TD – Transverse Direction

Bench Scale Testing[†]

| Test Method - Description | Parameters | Results |
|---|---|---|
| ECTC Method 2 – Determination of unvegetated RECP's ability to protect soil from rain splash and associated runoff | 50 mm/hr for 30 min | Soil loss ratio* = 6.83 |
| | 100 mm/hr for 30 min | Soil loss ratio* = 10.76 |
| | 150 mm/hr for 30 min | Soil loss ratio* = 16.95 |
| ECTC Method 3 – Determination of unvegetated RECP's ability to protect soil from hydraulically-induced shear stress. Failure criteria = 0.50 inch soil loss | Shear: 1.40 lbs/ft ² for 30 min | Soil loss: 370g |
| | Shear: 2.06 lbs/ft ² for 30 min | Soil loss: 996g |
| | Shear: 2.73 lbs/ft ² for 30 min | Soil loss: 1578g |
| | Shear at 0.50 inch soil loss (450g) | 3.13 lbs/ft² |
| ECTC Draft Method 4 – Determination of temporary RECP performance in encouraging seed germination and plant growth | Top soil; Fescue (Kentucky 31); 21 day incubation 27° C ± 2° & approximately 50% RH | Percent improvement = 401% (increased biomass) |

* Soil Loss Ratio = Soil Loss with Bare Soil / Soil Loss with RECP (NOTE: Soil loss based on regression analysis)

[†]Bench Scale Testing

Bench scale tests are index property tests. These tests are not indicative of field performance and therefore should not be used in design to establish performance levels for rolled erosion control products. Bench scale tests are performed according to methods developed by the Erosion Control Technology Council (ECTC).