



Fiber Matrix™



EarthGuard® was applied at a low 3000 lb/ac (3355 kg/ha) rate compared to other spray-on products often tested in this study at rates of ≥ 3500 lb/ac (3915 kg/ha).

Fiber Matrix Case Study

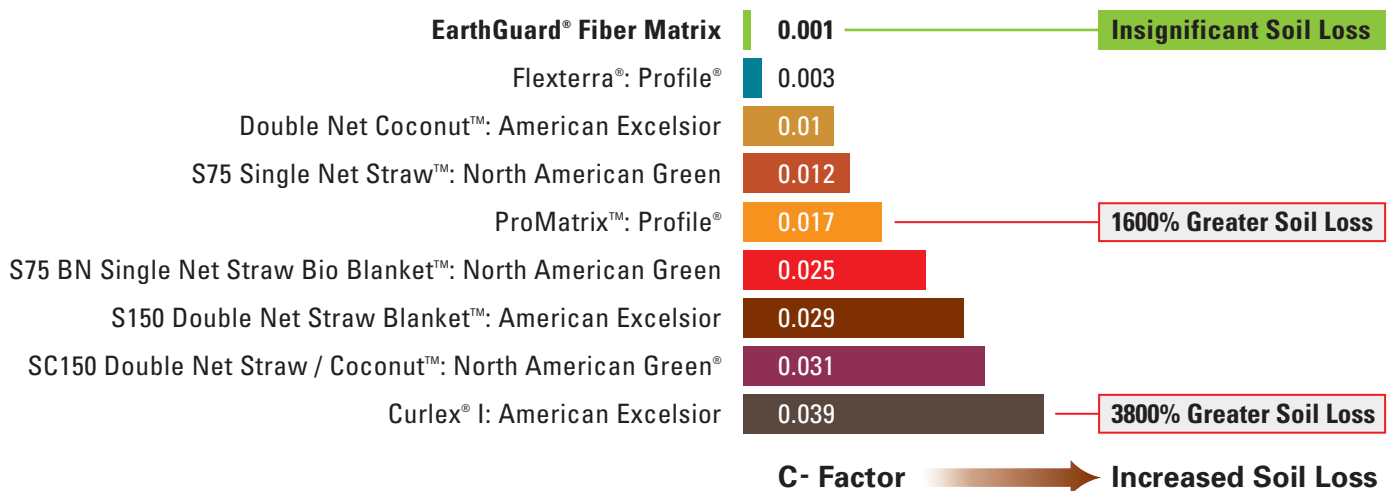
AASHTO/NTPEP Hillslope Erosion Control Testing ASTM D 6459 modified

Testing Results:

Recent testing by the American Association of State Highway and Transportation Officials concludes that EarthGuard® Fiber Matrix had insignificant soil loss. The testing included other commonly used engineered erosion control spray-ons and rolled blankets.

- EarthGuard Fiber Matrix Achieved 99.9% Effectiveness
- EarthGuard Fiber Matrix Significantly Reduces Turbidity

NTPEP ASTM 6459 Soil Loss Testing: 1 Hour – 4" Event





Fiber Matrix™

EarthGuard® Fiber Matrix Erosion Control Testing

The testing procedure is designed to evaluate the ability of erosion control products to protect hillslopes from rainfall induced erosion. The results from the AASHTO testing generated the Cover Factor (C-Factor) used in the RUSLE equation by engineers to estimate soil loss for a particular project.

The lower the C-Factor the better the product's ability to control erosion.

For ASTM 6459, erosion control products were installed on a large indoor hillslope and subjected to sequential precipitation intensity rates of 2, 4 and 6 inches/hour (5.1, 10.2 and 15.2 cm/hr) for 20 minute intervals or until catastrophic slope failure was observed.

- **The testing was conducted in an indoor facility simulating a steep 3:1 slope over sandy loam.**
- **The simulated rainfall was produced by ten "rain trees" on the perimeter of each test slope.**



Low C-Factor + Low Install Costs = Cost Efficiency

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