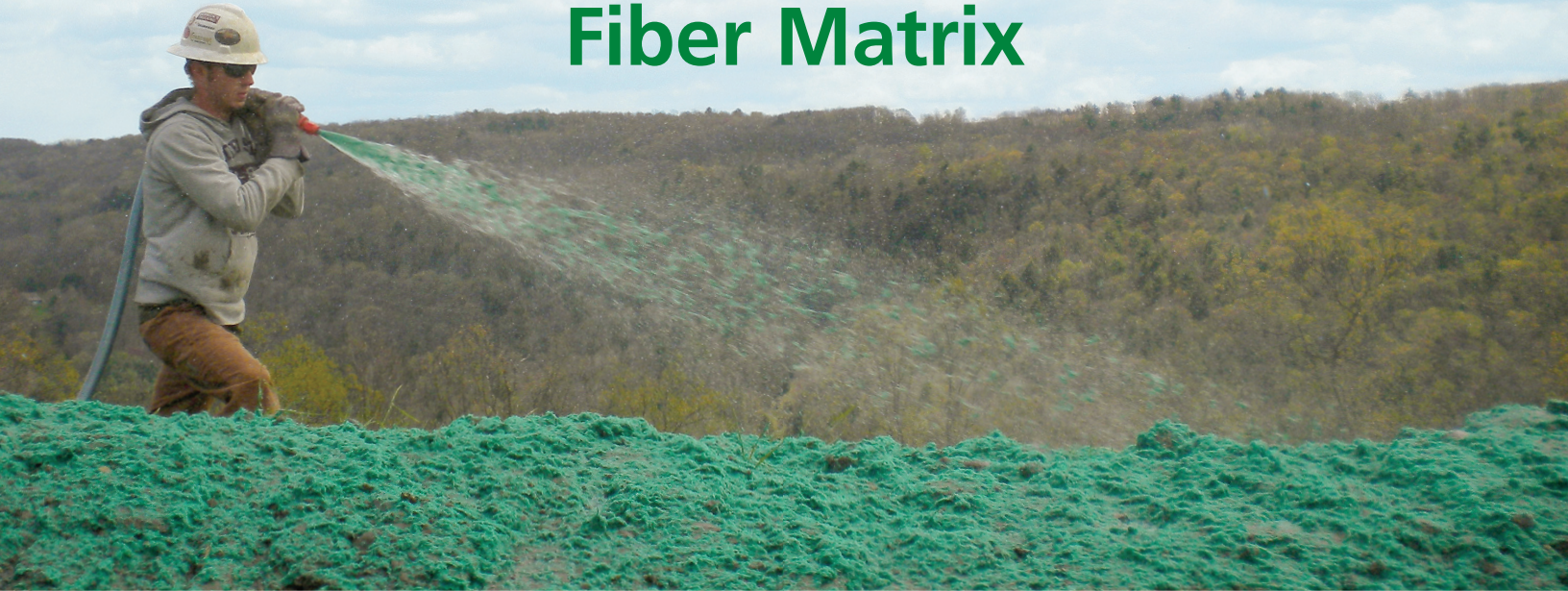


PENNINGTON®

ProGuard™

Fiber Matrix



Create a Better Hydraulic Matrix Solution in One Easy Step

ProGuard™ is a soil stabilizing blend specifically formulated to reduce erosion and sediment runoff when combined with Profile® Wood mulch.

- Creates an effective erosion control matrix
- Fast-mixing powder formulation
- Packaged for convenient storage
- Easy — one-step spray application
- Biodegradable
- Non-toxic



Application Rate Guidelines:

SLOPE GRADIENT / CONDITION	Profile® Wood Fiber	ProGuard™
Arid Region (< 20 in of rain/year)	lb/ac	lb/ac
< 3H:1V	1,500 - 2,000	40
≥ 3H:1V	2,500 - 3,000	40
Humid Region (≥ 20 in of rain/year)	lb/ac	lb/ac
< 3H:1V	2,500 - 3,000	45
≥ 3H:1V	3,000 - 3,500	50

Mixing/Loading Procedures:

1. Strictly comply with equipment manufacturer's installation instructions and recommendations. Refer to Profile® Wood Fiber Mixing and Application Guidelines for supplemental instructions.
2. Measure and stake area to ensure proper application rates.
3. Fill 1/3 of the mechanically agitated hydroseeder with water. Turn pump on for 15 seconds, purge and pre-wet all lines. Turn pump off.
4. Turn agitator on, open recirculation valve and load low density organic materials first (i.e. seed).
5. Continue slowly filling tank with water while loading Profile Wood Mulch into the tank.
6. Consult Application Rate Guidelines above to determine the number of bags to be added for desired area and application rate.
7. Mulch must be completely loaded before water level reaches 90% of the top of tank.
8. Add any other organic materials and/or fertilizer to the tank at this time.
9. Mix until all organic fiber is fully broken apart and hydrated to form a homogeneous mixture.
10. Slowly add the appropriate amount of ProGuard™ to the tank.
11. Mix for an additional 5-10 minutes to fully activate the ProGuard chemistry and obtain proper viscosity.
12. Shut off recirculation valve to minimize potential for air to be drawn into the slurry.
13. Slow down agitator and start applying with a 50-degree fan-tip nozzle.
14. Spray in opposing directions to achieve even soil coverage.
15. After application, immediately return to water source and thoroughly flush tanks and all lines with clear water per Procedure #3 above. Then, repeat mixing and application process or cease operations until next application.



**APPROVED FOR TXDOT CLASS 1
TYPE A,B,C, and D Erosion Control**



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