



STOVER SEED®

Erosion Control **Field Research**

ProMatrix: Class-leading bonded fiber matrix (BFM) technology delivers optimized results at an affordable price.

Stover Seed is Winner of 2019 Storm Water Solutions Top Project award for innovations in erosion control

When over 20 acres of land was burned along the Rancho Cucamonga freeway in 2017, the California Department of Transportation District 8 worked with the Stover Seed Company and others to quickly restore hillside vegetation and safeguard the freeway against dangerous washouts. As the final step in the restoration process, Profile Product's bonded fiber matrix (BFM), ProMatrix™ was applied for soil

erosion protection to ensure that the seeds in the newly revived soil could safely germinate.

In just three months, and with scant rainfall, this once-scorched land along the I-210/I-15 interchange **was in full bloom**. This impressive feat, swiftly turning hydrophobic soil with diminished organic matter into a flourishing wildflower haven, drew the attention of Storm Water Solutions. And in 2019, SWS named Stover Seed's project as one of the winners of their annual awards for innovation in storm water and erosion control management.

Successful restoration requires quality protection
There is no doubt that ProMatrix played a central role



in assuring the success of this project. No matter how well the compromised soil is regenerated, vegetation will not be able to burgeon without ample protection during its nascent phase. Erosion controls like bonded fiber matrixes (BFMs) are the means to this protection, serving as stand-in structural aids that mitigate surface runoff and insulate the growing seeds before the resultant plants take root and can lock-in the soil themselves.

A proficient bonded fiber matrix (BFM) is thus one that exemplifies certain traits: an ease in application, high coverage that closely adheres to the soil, a protective barrier that bars erosive forces while absorbing helpful nutrients, a functional longevity that sustains throughout the entire establishment process, and fully biodegradable materials that ensure the natural ecology is bolstered rather than disrupted.

As evidenced by the SWS accolade, ProMatrix possesses these qualities and more. This cost-effective bonded fiber matrix (BFM) has secured its title as one of the leading products for erosion control in the industry, prompting us at Stover Seed to utilize this pioneering technology in our restoration services and recommend it to our customers.

The X-Factor: ProMatrix's 100% environmentally-friendly Engineered Fiber Matrix (EFM) technology

The strength of ProMatrix is in its patented Engineered Fiber Matrix (EFM) technology, which utilizes **100% biodegradable interlocking crimped and recycled Thermally Refined® wood fibers** that together work to increase the matrix's durability and its coverage per pound.

These interwoven fibers are what give ProMatrix its competitive edge — its distinctively **high-loading formulation of 60 pounds** to 100 gallons of water. This high mixing rate allows for greater efficiency, allowing for 20% more mix to fit in the tank and thus for there to be 20% fewer tank loads per project. Saved time and water— check, check!

An application process made quick and simple

A higher load also makes for **thicker slurry**, enabling the formulation to more efficiently bond to the surface of the soil and thus greater secure against turbidity of runoff. Though the slurry is thick, it is remarkably easy to apply. The EFM technology includes **proprietary dispersion granules** that ensure the chemistry is evenly mixed and equally distributed, enabling smooth pumping and shooting.

Rapid and Sustainable Vegetative Establishment

Once applied, the **micro-pore particles** and **non-toxic biopolymers** included in the EFM work to optimize water and nutrient retention and will continue to do so for up to 12 months. This lasting functional-longevity and nourishing protection allows for the seeds to thrive, ensuring an increase in initial germination by at least sixfold. And when ProMatrix's job is finished, the material will fully decompose into the ground, leaving no remnants except for the new, prospering environment.

With a superior product comes superior results.

By using ProMatrix as the final touch for our restorative services, Stover Seed Company can confidently make the promise that your erosion control needs will be met and exceeded, leaving you with happy, healthy soil. Please reach out and talk to us about your situation. 🌱



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