

SF2[®] Marginal Soil Stabilization

Strong, stable surface no matter the weather

Here's an assumption we'd like to make: Sometime in the past – or now – you could be experiencing the headaches and costs associated with roads or pads built on poor quality soil. Maybe the issue is deep muck of the kind that seems to “eat” truck wheels, disrupting movement and damaging an already weak roadway. Maybe it is the danger of roads that, when wet, become dangerously slick. Maybe it is the high cost of aggregate.

If these issues have a familiar ring, Midwest would love to talk with you to properly diagnose the problems specific to maintaining your roads or pads. Treating marginal soils with Midwest's synthetic fluid and fiber system will make a dramatic difference in the strength, lifecycle, and cost of a road or pad surface. That is what SF2 was created to accomplish.

Vital Statistics

- Increases CBR up to 80% in 48 hours
- Heightens CBR up to 400% with traffic
- Improves shear
- Gains strength for up to two years
- Keeps road and pads intact despite rain and thaw events
- Prevents surfaces from becoming slick and when wet
- Does not break down, thereby eliminating muck
- Dramatically reduces road and pad maintenance

SF2 creates a surface of superior strength and weatherability.



The SF2 matrix leads to strength

The synthetic fluid in the patented SF2 system contains a unique binder that imparts cohesive and adhesive properties to soil which, alone, does not have these properties. Add to this a synthetic fiber that fills in discrete voids in the soil matrix, creating lateral strength, and you have even more anchor points for the binder to do its job and further reinforce the soil. The combination of soil, no matter how weak, a synthetic fluid with binder, and high-tensile synthetic fibers produces a stronger, longer-lasting surface that cannot be achieved with a binder or fiber alone.



Discrete SF2 fibers, lightweight, with high-tensile strength, are combined with a Midwest Synthetic Organic fluid and then compacted to create a surface that can increase CBR by up to 400%.



It's easy to be green

As tough as Midwest's products are at preventing and controlling dust, soil destabilization and erosion, they have been certified safe for human, animal and plant life by the EPA's Environmental Technology Verification program. With chemists in our lab and experts on our customers' worksites, Midwest has the home-grown ability to manufacture products that will not harm the environment and, in many instances, will help it. Our chemists think green from source materials to formulation and from production to application.

Midwest is a world leader in effective and environmentally-sound dust control, erosion control, soil stabilization and anti-icing solutions. To learn more about this issue or to ask us any questions, contact us at 1.800.321.0699.

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