

# Soil-Sement®

## Control Dust, Erosion, Unstable Soil

### Enjoy a customized solution for better performance.

When it comes to clothing, “one size fits all” is truly an ominous label because unless your body is in line with what the manufacturer considers the norm, that hat, tee shirt, or underwear is not going to fit you!

One reason Midwest’s environmentally safe Soil-Sement polymer emulsion for controlling dust, erosion and unstable soil is used across dozens of industries and on many different soils is that it is not a one-size-fits-all product. It is custom-engineered to perform optimally on your soil taking into account a range of factors including dry strength, wet strength, ductility, elasticity, UV resistance, climate, and many others.

In test after independent test, Soil-Sement has proved to be the most effective – and cost-effective – soil stabilizer for controlling PM10 and PM2.5 dust emissions.

#### Vital statistics

- Is non-toxic, non-corrosive, non-flammable
- Does not pollute groundwater
- Stabilizes surface to resist shifting, breaking up and sink failures
- Stands up to wind, rain, UV light, and other weather conditions
- Increases load-bearing strength
- Prevents water from destabilizing road surface
- Dries clear for an aesthetically pleasing appearance
- Keeps you in regulatory compliance.

*Nanotechnology enables Soil-Sement to be as strong as steel or as resilient as rubber.*



## A different kind of molecule

Nanotechnology enables our scientists to control matter on an atomic and molecular scale. Soil-Sement's effectiveness results from the length and strength of its unique polymer molecule formulation, which enables molecules to bond well with surface materials. Its molecules link to one another in relatively straight chains, which cross-link with other chains or grids forming a matrix that may be 1,000,000 molecules long.

This structure creates surfaces that are stronger and more flexible than the smaller molecular structure of oil, calcium, petroleum resin and asphalt emulsion products, which range from 100 to 10,000 molecules.

## Independent testing – the key to buyer confidence

Soil-Sement is the only polymer emulsion certified and verified by so many independent agencies:

- US EPA ETV
- Cal-Cert
- CARB (California Air Resources Board Documentation)
- Canada ETV
- US Army Corp of Engineers
- ADEMA (Arizona Department of Emergency and Military Affairs)
- San Diego State University
- Midwest Research Institute
- ERDC (Engineer Research and Development Center)
- Desert Research Institute

## Easy to be green

With chemists in our lab and experts on our customers' sites, 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 all the way to application.



## Learn more about Midwest

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



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