



PILE SEALANTS

Lock It In: Keep Your Stockpiles Stable and Dust-Free

Stockpile and ore pile dust control solutions that lock fines in place and reduce rework.

Why Pile Sealants Matter

Stockpiles and ore piles shed fines quickly. Left untreated, those particles become fugitive dust that impacts worker safety, air quality, and regulatory compliance. Piles also lose valuable material, requiring rehandling and reducing efficiency.

EnviroTech's pile-sealant portfolio provides three approaches to these challenges: fast-acting wetting aids, flexible synthetic fluid coatings, and long-lasting polymer crusts. Each solution is engineered to keep piles stable, safe, and compliant with environmental standards.

MSHA Final Rule: Respirable Crystalline Silica

In 2024, MSHA established a uniform exposure limit of $50 \mu\text{g}/\text{m}^3$ (PEL) with an action level of $25 \mu\text{g}/\text{m}^3$. EnviroTech's solutions help mine operators control dust at its source, reducing airborne particulate levels and supporting compliance while improving operational efficiency.

Sustainability & ESG Benefits

By sealing pile surfaces, our products minimize airborne particulates, reducing exposure for workers and nearby communities. Long-lasting surface stability helps prevent sediment migration into nearby waterways, helping operators meet stormwater (NPDES/MS4) requirements. Products are non-toxic and biodegradable, supporting environmental compliance and sustainability reporting.



TOTAL MINING SOLUTIONS

PILE SEALANTS

FEATURED SOLUTIONS

BEST

DURASYNTH EMULSION

A synthetic fluid emulsion that coats fines with a tacky, water-resistant layer. Keeps particles bound while allowing pile flexibility ideal for active piles or areas where movement is frequent.

BETTER

PILEREADY COAL SERIES

A polymer and coalescent blend designed specifically for coal stockpiles. Forms a durable surface seal that reduces dust lift-off and material loss under windy, dry conditions while protecting piles from atmospheric oxidation.

GOOD

PILEREADY SERIES

Polymer-based sealants that penetrate into fines and cure into a flexible, weather-resistant crust. They lock particles in place and provide weeks to months of dust control on inactive or long-term piles.

The Results

With EnviroTech pile sealants, operators can reduce dust at its source, protect valuable material from loss, and cut rework on piles. Stockpiles stay intact longer, truck traffic and maintenance decline, and operations remain safer and more sustainable.

How EnviroTech Helps You Stay Compliant:

Our dust control solutions tackle the problem at its source, keeping fine particles bound in the road surface and out of the air. By significantly reducing airborne dust, especially PM_{10} and $PM_{2.5}$, our products help mine operators:

- Maintain compliance with the new PEL and action level.
- Reduce the need for costly shutdowns and rework.
- Protect worker health and extend road life.



Lower PM_{10} & $PM_{2.5}$ Exposure

