

Tailbond: An Effective Solution for Tailing Dam Dust Suppression

Are you tired of battling dust emissions from your tailing dams? Look no further!

FlowCentric Mining Technologies is proud to present Tailbond, our cutting-edge dust suppression solution is designed specifically for the coal, gold, platinum, and chrome mining industries.

Developed in collaboration with the CSIR, Tailbond offers a range of benefits designed to transform your mining operation.

Tailing Dams And Dust Challenges

Tailing dams are essential components of mining operations, but they can also be a significant source of fugitive dust. Fine particles from tailings become airborne, causing environmental concerns, health risks, and community disruptions. That's where Tailbond comes in.



Tailbond Creates A Non-Dissolving Crust

Tailbond The Solution To Fugitive Dust

Tailbond is an innovative dust suppression product formulated to meet the unique needs of the mining industry. Created as an inorganic binder, Tailbond offers remarkable characteristics, including:

- **Permeability:** Tailbond allows water to penetrate while effectively binding the fine particles, reducing dust generation.
- **Once-off Application:** With Tailbond, you enjoy long-lasting results. Our product only requires reapplication every 3-6 months, ensuring cost-effective dust suppression.
- **Rapid Drying:** After application, Tailbond dries within 2-3 hours, forming a durable crust on the surface.
- **Environmentally Friendly:** We understand the importance of sustainability. Tailbond is designed to be environmentally friendly, prioritizing the well-being of your surroundings.

Benefits And Advantages Of Tailbond

By choosing Tailbond for your tailing dams, you unlock a multitude of benefits:

- **Minimized Dust Pollution:** Tailbond's powerful binding properties significantly reduce dust emissions, improving air quality and safeguarding nearby communities.

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- **Erosion Control:** The durable crust formed by Tailbond helps protect your tailing dam surfaces from erosion, preserving their structural integrity.
- **Sedimentation Reduction:** With less dust in the air, the risk of sedimentation in water bodies is minimized, preserving the ecological balance of nearby water resources.
- **No Netting Needed:** Unlike traditional methods, Tailbond eliminates the need for labour-intensive netting, saving you time, money and resources.
- **Health and Environmental Safety:** By effectively managing dust emissions, Tailbond reduces health risks associated with respiratory and cardiovascular issues, ensuring a safer working environment for your employees.
- **Cost Competitive:** Tailbond provides a cost-effective solution for dust suppression, offering long-lasting performance with minimal reapplication requirements.

Tailbond Unleash the Potential

At FlowCentric Mining Technologies, we provide comprehensive services tailored to your unique needs. From site observation and surveying to soil sample analyses, our team is dedicated to finding the ideal Tailbond application strategy for your site.

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Put a Stop To Erosion With Tailbond

Take The Next Steps

Contact us today to find out more about Tailbond, or to arrange a proof of concept and unlock a brighter future for your mining operation.



Manage Fugitive Dust With Tailbond