Process Dust Control

Crown Capabilities

- State of the art application equipment
- Wide range of products and services
- 100+ years’ experience
- Serving mines, ports, utilities and more

Coal handling for mines, ports and utilities can involve truck and belt-to-belt coal transport as well as crushing, sizing, stack-out and reclaim. Dust can become airborne at each step, possibly causing environmental concerns, and dust buildup on transport and process equipment can increase maintenance costs and safety risks.

Using water sprays to mitigate dust is not very effective because water alone has poor surface tension so it captures only a fraction of airborne dust particles. This often leads to applying too much water, leaving isolated pockets of saturated material and plugged chutes and process equipment. Using too much water is especially costly in climates where water is limited or expensive.

Our solutions for dust control use compatible surfactants and/or tackifying agents in the water to capture more dust particles and keep them in the process stream. Crown is a leader in applying process dust control chemicals for coal-handling industries.

We offer a complete product line including:
- Surfactant blends for wet spray and foam applications
- Residual products applied as a wet spray or foam

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