

## Dust Control and Suppression

### ECOBOND LONG

ECOBOND LONG is used to super-activate water sprayed to control coal dust in long wall and continuous miner operations.

Coal is by nature hydrophobic (water hating) and at the microscopic level repels water – so despite the volumes used, the finest particles simply bounce off of sprayed water.

These fine particles, which may not even be visible, are the most hazardous to health, leading to diseases such as black lung and other respiratory ailments.

ECOBOND LONG super-activates water to overcome this behaviour causing the water to immediately coat airborne particles, forcing them to drop out of suspension in the air.

Injected into existing spray systems, ECOBOND LONG saturates the coal face and intercepts fine particles immobilising fugitive dust. Importantly, the solution does not alter the burning properties coal or quality of your products, by targeting and mitigating only dust.

Dust Suppression at the Coal Face, whilst developed specifically for the coal face, ECOBOND LONG can also be applied to manage dust from conveyors, large mineral stockpiles or any fine or pulverised minerals in transit.

### Benefits

Compared to conventional processes, ECOBOND LONG offers:

- Easy application through existing or bespoke systems
- Health Benefits: Strips out hazardous dust particles – eliminating the cause of respiratory illness such as black lung
- Robust product characteristics allow it to be applied across a diverse range of industries
- Cost benefits from improving the efficiency of long wall and continuous miner

### Applications

The key areas of use for ECOBOND LONG include:

- Safety Management: Workers are protected from harmful effects from wind-borne particles such as black lung.
- Efficiency – Improve efficiency of existing spray systems.
- Adaptable – also applicable for dust on conveyor systems and in transit
- Environmental Management – Mitigate the impact of dust on surrounding environment and on people.