

## Dust Control and Suppression

### ECOBOND DC80

COBOND DC80 dust control solution is a versatile and sustainable modified polymer, engineered to combat the problem of fugitive dust and soil stabilization on unpaved roads. It has a unique combination of additives which gives it a dark colour but improves its UV resistance.

Fugitive dust caused by traffic on unpaved surfaces has negative consequences for the environment, the community and the road itself. Ignoring or under-treating the issue can lead to road deterioration, sediment run-off, health issues, environmental damage, plus impact on the viability of surrounding cropping and pastoral land.

Unsealed roads such as mining haul roads and hardstands (lay down yards) are usually under continual maintenance with watering and grading teams working all day everyday - for what? Watering and grading roads is a band-aid solution to stop dust that incrementally is destroying the integrity of the road. When it rains, haul roads fail and become impassable - and need to be rehabilitated before production can recommence. Ultimately, given the high price of diesel, increased labour costs and equipment maintenance, it's a losing battle.

Polymer sealing with ECOBOND DC80 dust control solution works differently. After initial works, maintenance applications are required once every 12 to 24 weeks depending on traffic loading. With each application, an accumulating number of silty dust particles are bound together, preventing them from becoming airborne. Due to the cumulative, residual nature of the product, the rate of application of ECOBOND DC80 reduces over time, becoming more economical each year.

### Benefits

Simply sprayed from a water truck, the results are:

- Elimination of dust and its impacts (visibility, health, surrounding areas)
- Stable, waterproof surface preventing corrugation and potholing
- Improved skid resistance and decreased rolling resistance
- Costs savings of 30-40% due to removal of daily watering and grading, less wear and tear on vehicles, improved haul times, elimination of downtime during and after wet weather (cost savings independently verified by Deloitte).

### Applications

Used by the military, industrial, private and mining sectors, ECOBOND DC80 dust control solution provides effective dust mitigation on a range of unpaved surfaces, including:

- Remote installations and accesses
- Low and High Volume Roads
- Car and Truck Parks
- Railroad Yards
- Hardstands/Lay Down Yards
- Construction or Military Camps