

  
**DustBloc<sup>®</sup>**



 **Fulton Hogan**

[www.fultonhogan.com](http://www.fultonhogan.com)

# DustBloc®

## Why use DustBloc®?

- Significant cost savings
- Reduces grading and maintenance
- Water savings of 60% to 90%
- Improved productivity
- Weatherproofs roads
- Immediately trafficable.

DustBloc is an innovative dust suppression product proving itself in the mining and construction industries throughout Australia and around the world. It plays an integral part in haul road maintenance as it improves road conditions whilst lowering overall maintenance costs and water usage.

Developed in Queensland as part of Cooee Products research into specialty performance emulsions, DustBloc is produced and sold by Fulton Hogan through our Australia wide production and distribution facilities.



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## What is DustBloc?

DustBloc is a stable emulsion of bitumen in water. It incorporates a number of special additives which assist its absorption into a range of road materials such as crushed rock, crushed ores or clay based materials.

It is supplied as a non-hazardous liquid which can be dispersed, at ratios greater than 1:100, into water for spraying onto haul roads. DustBloc will mix easily with all types of water, including hard, salty or dirty water available at site.

It also dramatically reduces the amount of water required for dust control and road maintenance, with most customers reporting reductions in water use of 90% or more.

## How does DustBloc work?

As the water is absorbed into the road, the microspheres contained within DustBloc are released to bind together the fine materials in the road surface. This effectively reduces dust generation and water is no longer required to act as the binding agent.

Successive applications of DustBloc increase the effectiveness of its dust suppression agents by building up the levels of microspheres within the surface and body of the road. After a period of use, the frequency of DustBloc application can be reduced.

Instead of running multiple water sprays during the course of daily operations, a single application of DustBloc in water may be all that is required.

There is no need for road closure when applying DustBloc - roads are trafficable within minutes of application. Safety levels improve as roads are not constantly wet and slippery.

## Use in wet weather

Once applied, DustBloc is not water soluble and is not affected by rain or subsequent water spray. Customers have found roads treated with DustBloc are less impacted by rain than other unsealed roads, as they now shed excess water.

Roads can be opened very soon after light rain or flooding. Most customers find they have more productive days every year by eliminating the need to close roads during or after heavy rain fall.



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## DustBloc and road maintenance

The binding effect of DustBloc on road material along with lower water usage leads to reduced need for grading and other maintenance.

Additionally, most customers report that after using DustBloc they are able to operate vehicles at higher speeds and frequency as safety has dramatically improved. This results in overall increased productivity.

## Other applications

DustBloc is also effective for dust suppression of stockpiles, parking and handling areas, and in regeneration zones - again without the need for specialised application equipment or procedures.

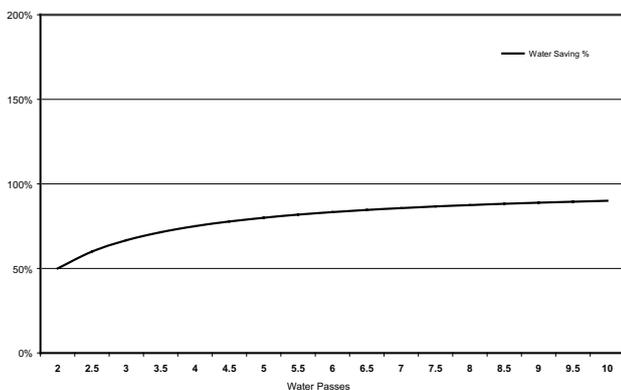
It is safe to handle, store and apply. It is also environmentally friendly as it does not leach or disperse from the application area following rain. See our MSDS for more information.

## Comprehensive service support

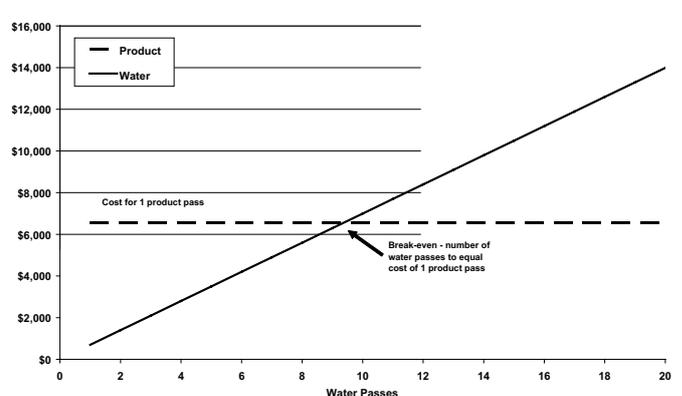
As Australia's most capable pavement solutions company, Fulton Hogan's 2000+ strong team will provide you with the highest level of customer service. Our trained staff are available to work with you to provide the best possible DustBloc solution. We can arrange for trials and technical demonstrations to show you first hand the benefits of using DustBloc. The data derived from these trials can also be used to assist in developing cost benefit analysis that is specific to your site conditions.

DustBloc is available in a range of package sizes, with most customers opting to purchase in bulk.

**Typical Water Savings from DustBloc Use**



**Cost Comparison - Product vs Water**



DustBloc dramatically reduces the amount of water required for dust control and road maintenance, with most customers reporting reductions in water use of 90% or more, resulting in significant cost benefits.

# DustBloc®



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