



BaseBind[®]



 **Fulton Hogan**

www.fultonhogan.com

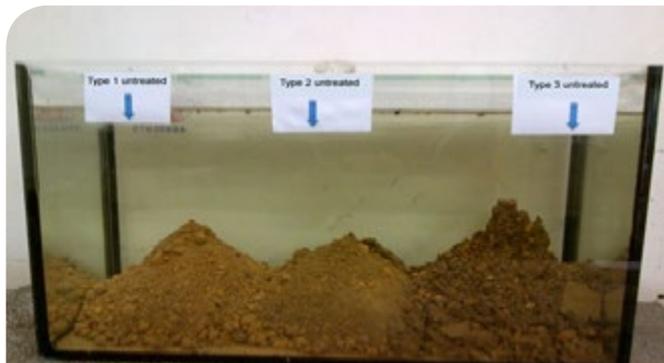
BaseBind®

Why use BaseBind®?

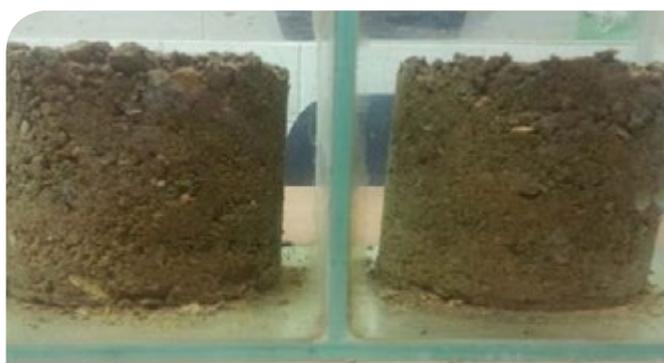
BaseBind is an innovative bitumen emulsion treatment for unbound granular roads. It will significantly reduce dust on your road and, at the same time, help keep the road in shape by decreasing its susceptibility to water damage. Road users enjoy a smoother and dust free journey.

The improved performance of the BaseBind treated granular road reduces overall maintenance and grading requirements.

BaseBind is simple to use – it can be applied using your own crews and basic construction equipment, e.g. grader, roller, watercart, or by our Fulton Hogan team.



Untreated road base moulds slump in water.



Treated road base moulds hold shape in water.

Road base is sampled, compacted into a mould and treated in our laboratory with 1% by weight using BaseBind. When untreated and placed in a tank of water the road base immediately slumps but when treated with BaseBind, and left in water for several days it remains intact as the road base has now become hydrophobic.

BaseBind:

- ▶ Suppresses dust
- ▶ Keeps the road in shape during wet weather
 - Reduces the occurrence of potholes, cracks and corrugations
 - Reduces need for grading and maintenance
- ▶ Provides continuous performance on low trafficked roads
 - A top up spray may be required once or twice a year
- ▶ Immediately trafficable
- ▶ Easy to apply
 - Use your own crew and basic construction equipment
 - Mixes easily with all types of water, including hard, salty or dirty water, in fact whatever water is available at site.
- ▶ Safe to use
 - Used at ambient temperatures and is non-hazardous
- ▶ Environmentally safe
 - Product remains in place and does not leach.

What is BaseBind?

BaseBind is a stable emulsion of bitumen in water.

It incorporates a number of special additives which assist with absorption into road materials such as crushed rock, borrow pit rubble and most clay-based materials.

BaseBind is supplied as a non-hazardous liquid which can be blade-mixed at ambient temperatures into the roadbase at an average ratio of 20 litres per cubic metre of road base.

BaseBind is produced locally and sold and distributed by Fulton Hogan through our Australia-wide production and distribution facilities.



Typical dusty road before treatment with BaseBind.



Road after treatment with BaseBind.

Wet weather

Once applied, BaseBind binds with the road base and will no longer mix with water again. This means BaseBind will stay in place and not leach during rainfall or subsequent water sprays.

BaseBind waterproofs and protects the road base from water erosion. Customers have found that roads treated with BaseBind are less impacted by rain than other unsealed roads.

Most customers report that this has eliminated the need for road closures during heavy rainfall and improved overall road safety.

Maintenance

A BaseBind treated granular road requires little maintenance.

The need to regrade is significantly reduced on BaseBind treated roads. Most customers report a reduction across their unsealed road network from three times to regrading only once per year.

While BaseBind is an effective dust suppressant, vehicles may bring in dust and an occasional spray of Fulton Hogan's DustBloc® is beneficial in the control of dust.

DustBloc is a similar specialty emulsion product to BaseBind. The difference is the application method. BaseBind is mixed into the road material at higher concentrations than DustBloc. DustBloc is sprayed at lower concentrations to reduce dust.



Visit www.dustbloc.com.au for more details.

Other applications

BaseBind can also be used in the road base of sealed roads, to further stabilise and protect the base layers from water damage.

BaseBind is also effective for construction sites, parking and handling areas, again without the need for specialised application equipment or procedures.

Comprehensive service support

As Australia's most capable pavement solutions company, our 2000+ strong team will provide you with the highest level of customer service. Our trained staff are available to work with you in providing the best possible BaseBind solution. We can arrange trials and technical demonstrations to show you first-hand the benefits of using BaseBind.

The data derived from these trials can be used to assist in developing cost benefit analysis that is specific to your site conditions.

BaseBind is available in a range of package sizes, however, most customers are opting to purchase in bulk.



Our fleet of Fulton Hogan bitumen transporters deliver BaseBind and other specialty emulsions across the country.



Fulton Hogan Safety Data Sheets (SDS) are available on our website www.fultonhogan.com/sds

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