



West Australia



ECOPRIME[®] ECO-FRIENDLY BASE PREPARATION

PROTECTION FROM THE ELEMENTS UNTIL THE NEXT PHASE

The best and most eco-friendly base preparation for a quality pavement

A pavement is only as good as its foundation-its base. Traditionally, road bases have been prepared for surfacing with prime coats to protect the granular base during construction and help reduce dust. Prime seals provide a good bond between the underlying base and hot mix asphalt overlays. On low volume roads, they bond the base to spray seals or other thin surfaces, which might otherwise delaminate. As traffic increases, these treatments serve well as foundations for staged construction of future overlays.

In the past, most primes were made from cutback asphalts or other petroleum-based materials that were slow to cure and emit volatile organic compounds. Some of these materials also had poor penetration into compacted bases, thereby reducing their bonding effectiveness. Worse still, there have also been incidents where run-off from these materials has polluted the soil and even nearby streams.

EcoPrime[®] is an eco-friendly, solvent-less prime

It contains no petroleum solvents that have flammable vapours, are hazardous to workers and release harmful VOC's into the environment. It is made from sustainable, natural resources that do not pollute waterways. It is water-based, safe for workers and easy to use.

The innovative Colas WA technology is engineered to give superior penetration into the base, binding surface fines and superior bonding between the underlying surface and overlays. EcoPrime[®] also serves as excellent dust control, taking particulates out of the air we breathe.

Engineering solutions that work – A Superior Prime and Superior Dust suppressant

The economical treatment can be used as a soil stabiliser and dust suppressant. As a prime, it protects the underlying layers from wet weather by providing a temporary waterproofing layer. It can also be used to reduce soil erosion on ditch banks and shoulders. It does not harm vegetation.

Pavement engineers are struggling with increasing traffic and loads, dwindling funds and rising material costs. Increasing capacity is an important part of maintaining an effective road infrastructure. Colas Solutions and the family of Colas companies believe in designing solutions that provide long lasting pavements that are built right the first time, while minimising effects on the environment and health. EcoPrime[®] is just one of those solutions engineered to give excellent performance during and after construction.

Protection from the elements

The mark of a good prime is the penetration it obtains into the granular base material. Prime that sits on top may look pretty, but if it doesn't soak in, then it simply isn't getting the job done. EcoPrime[®] soaks into provide protection from the elements while creating a strong base that is ready for the next layer, no matter if that's tomorrow or a few weeks from now.



EcoPrime® Benefits

EcoPrime® accounts for just a small fraction of the total project cost, but it makes a big contribution to the overall project success. Just some of the advantages of EcoPrime® include:

- Solvent-less, no flammable or harmful volatiles
- Easily diluted in water
- Made from renewable resources
- Superior penetration into all types of compacted base materials
- Excellent dust control
- Toughens the base surface to prevent damage from construction equipment
- Protects the base from moisture

- Coates and bonds loose material on the surface of the base
- Provides excellent adhesion between the base and the succeeding course
- Less expensive

The EcoPrime® residue not only suppresses the dust layer, but it binds the dust into a thin membrane that protects the surface

EcoPrime® has none of the drawbacks of conventional prime coats and dust suppressants. Does not:

- Pollute the soil and ground water
- Harm vegetation
- Replace one atmospheric pollutant (dust) with another (VOC's)
- Cause a fire hazard
- Cost more

A world of innovation, with a local presence™

Colas WA brings a world of innovations to you through the hands of our highly trained and experienced local contractors and representatives. We work with you to survey conditions and choose the right solution. Many times we already know the neighbourhood, infrastructure and preservation needs because we also live there.

With Colas WA, we don't just sell products and services. We believe in education and strive to help you understand how to choose the right systems, materials and construction

resources. We work with your staff to provide the technical assistance and construction services they may need to effectively design, build, maintain and preserve your pavement and infrastructure investment network. We work with each of our customers with a high level of integrity and business ethics, cognisant of the fact that trust must be earned before it can be given. And when you choose Colas WA, you'll know that you are getting products and services that respect and protect the environment, as well as the safety of the communities in which we live. After all...

We're all in this together™