

Spray Seal

BITUMINOUS PRODUCTS

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A simple road surfacing treatment that can be a cheaper option than asphalt for medium and light trafficked roads.



The durable surface that makes good engineering and business sense

Spray sealing is the fast and economical way to surface a roadway. Hundreds of thousands of kilometres of vital Australian roads have been constructed and maintained using Boral Asphalt's spray seal capability.

Spray sealing is achieved by spraying a thin film of bituminous binder on to a road surface, and then covering it with a layer of aggregate. The bituminous binder acts as a waterproofing layer and prevents water entering the underlying road structure. The aggregate protects this layer from damage by vehicle tyres, and together they form a durable, skid resistant and dustfree surface.

Impressive traffic capabilities

Spray seals can be specifically designed for an extensive range of traffic conditions. A single coat of Boral Asphalt's spray seal is usually sufficient for low traffic roads while two layers of spray seal are used for more heavily trafficked roads. A three coat seal is used only when a road is expected to carry substantial volumes of traffic and is regarded as a specialised treatment.

Boral Spray Seal puts new life into old roads

Boral Asphalt spray seal is very efficient as a maintenance measure for roads suffering from surface damage. One coat can revive the life of an existing pavement surface by providing a completely new wearing surface and restoring skid resistance and waterproofing capabilities.

The ability to rejuvenate and restore roads by resurfacing with spray seal means routine maintenance costs are kept to a minimum while safety and asset values are rightly maintained as a top priority.

Where to use Boral Spray Seal

Boral spray seals are ideal for situations where you require:

- Protection for the road base from water ingress
- A new revitalized wearing surface
- A minimal dust surface
- A retardation of the deterioration of an existing road surface showing signs of distress
- Restoration of the skid-resistance of an existing road surface

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The importance of quality workmanship and precision application

Spray seal has no structural strength in itself, so its longevity and performance relies primarily on the workmanship and quality of preparation of the base structure. From a sound base, a durable roadway can be constructed and maintained using the Boral spray seal method.

The key to a quality spray seal surface lies in the accurate application and combination of a bitumen binder with an aggregate to provide a durable, skid resistant surface. Boral Asphalt uses the technology of precision calibrated bitumen sprayers to provide the correct binder levels for each individual surface requirement.

Boral Asphalt – Seal of Quality

Boral Asphalt provides a level of spray seal quality that is assured from the experience of spraying hundreds of thousands of kilometres of roads all around our vast country. From urban streets to long distance country roads, spray seals have provided surfaces to cope with the rigours of specific climatic conditions from scorching heat in north west Australia to alpine conditions along the Great Dividing Range.

Boral spray seal has developed a wide range of spray seal combinations and additives to ensure every surface performs to its absolute best in extreme climatic conditions. Boral Asphalt technology mitigates the softening of bitumen in extreme heat by including special polymer modified bitumens which raise softening temperatures and resist oxidation.

Additives can be incorporated to provide more elastic bonds under high temperatures. For cold climatic conditions, polymers are added to prevent surface embrittlement.

The ability to withstand a vast array of climatic conditions is a testament to the quality of Boral's spray seal.

Boral Asphalt quality control

- Aggregates are strongly embedded into bitumen for maximum adhesion and maximum skid resistance.
- Aggregates (from 5mm to 20mm) are carefully selected for individual conditions and requirements.
- Scientifically developed additives, polymers and pre-coated aggregates are used to promote greater adhesion, flexibility and wearing performance between binders and aggregates.
- A range of specialist primers and sealers are used for adhesion improvement between old and new surfaces.

The benefits of Boral Spray Seal

1. Ideal surface for light to moderately trafficked roads
2. Suitable for surfacing granular pavements on long roads when asphalt is unavailable or an overdesign
3. Quick (traffic can drive on it immediately after rolling)
4. A safer surface – skid resistant textures
5. Ideal for restoring worn sealed surfaces
6. Spray can be applied in most weather conditions except rain or extreme cold.

Boral website:

Visit the Boral website for the full range of Boral products: www.boral.com.au

Asphalt information:

For asphalt news and information visit: www.boral.com.au/asphalt

For asphalt locations around Australia go to: www.boral.com.au/locations

Contact us:

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