



Technical brochure



# JetBlack®

## Treatment for all segregated, eroded and aged asphalt surfaces

Aged oxidized pavements that have lost flexibility and structure can damage vehicles or aircraft. The risk of environmental factors to enter and destroy the entire pavement structure also increase greatly.

### What is JetBlack?

JetBlack was developed to provide airports and councils with an alternative option to resealing aged pavements and thereby, extending their life. JetBlack is a blend of: premium bitumen emulsion (high solids, polymer modified, stabilised), special additives and mineral filler. When applied, the aged asphalt looks almost new because of the black colour and the voids are filled with mineral filler. The bitumen emulsion is modified with a number of performance enhancing additives to enrich and extend the life of the pavement.

JetBlack is recommended for asphalt and spray seals.

 **Fulton Hogan**

JetBlack® is a registered product of Fulton Hogan.

# JetBlack®



Side by side comparison of aged asphalt before and after JetBlack application.

## What sets JetBlack apart?

- Extends pavement life by enriching the oxidised surface
- Gives a uniform black appearance to the seal
- Locks aggregates down by filling in voids in the seal
- Adheres strongly to existing pavement surface
- Seals and protects the pavement from UV and water damage.

## How JetBlack works?

The polymer modified bitumen binder adheres to the existing asphalt surface and holds the mineral filler in place. The binder also replaces the bitumen lost during the ageing process. The mineral filler replaces the asphalt's lost fine aggregate and assists in retaining large aggregate particles in the asphalt surface. This enhanced formula means that JetBlack lasts longer and performs at a higher standard. The combination of binder and fine aggregate replacement provides a critical life-extending treatment for all segregated, eroded and aged asphalt surfaces. JetBlack can help delay the need for asphalt overlay by up to five years by assisting to maintain a debris free runway for safe airfield operations.

JetBlack can also be used on localised patches, which due to their hand-placed nature, tend to be more segregated and coarse in appearance than paver-laid asphalt. JetBlack will protect the patch as well as add fine aggregate.

## How to apply JetBlack?

Fulton Hogan has developed a purpose-built applicator for large areas. This vehicle, which is based on those used for the application of slurry seals and micro-surfaces, delivers JetBlack to the pavement through a unique squeegee system. The squeegee works by kneading the JetBlack into the asphalt surface, further promoting adhesion and resulting in a more durable and longer-lasting treatment.

For smaller areas, JetBlack can also be applied by hand, using a combination of bucket, broom and squeegee. JetBlack has a shelf life of 12 months in the original unopened container.



JetBlack can be used to enrich and restore very aged asphalt.



JetBlack can be used in isolated areas or across large pavements.

For further information please email  
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or contact your nearest Fulton Hogan office.  
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