



**OFB SOIL**

**PRODUCT  
BROCHURE**

A white van is driving on a dirt road in a dry, hilly landscape. The terrain is reddish-brown with sparse, green and yellow trees. In the background, there are rolling hills under a clear blue sky. The text is overlaid on the bottom half of the image.

**INNOVATIVE &  
HIGHLY EFFECTIVE  
SOIL STABILIZATION  
PRODUCTS**



# ABOUT US

OFB was established with a vision to offer businesses with an alternative to products that are toxic and have damaging effects on people and the environment. Our products are effective and environmentally friendly; reflecting the beauty, simplicity and power of God's wonderful creation.

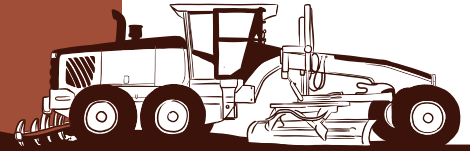
We are passionate about doing good for people, creating environmentally sustainable products and helping those in need.

Mike Harvey is the founder and inventor of OFB Corporations' revolutionary Fire Fighting and Soil Stabilisation Products.

OFB Soil has been used by The Department of Main Roads and Regional Councils in Australia, The Gas Industry in Australia and there have been sales into Asia, Middle East, Mexico, The USA and Israel.

# APPLICATION OF OFB SOIL

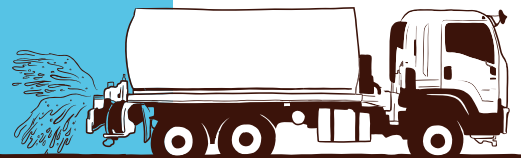
1. Breaking up or scarification of the soil base with a grader



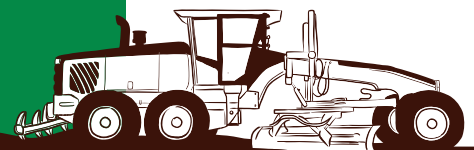
2. Wetting of the soil using a tanker truck



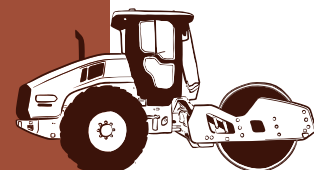
3. Application of OFB Bind & Seal from a spray nozzle on the back of a tanker truck



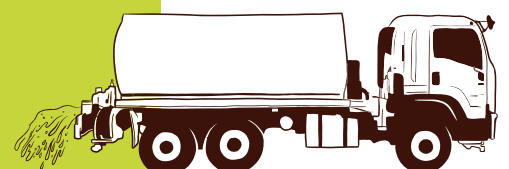
4. Grading to evenly distribute the product and mix the treated soil



5. Compaction of the treated soil using a roller



6. Final application of OFB Bind & Seal to seal the treated road



# TIMELINE

## Pictorial Timeline of Outback Road treated with OFB Bind and Seal

The figures on the timeline are the number of months since treatment with OFB Bind and Seal. The pictures clearly shows very little deterioration of the road surface after a period of 14 months with inclement weather (road under water for 4 days a month) and no maintenance.

### Observations:

- Sub-base over the entire road is smooth, solid and very hard
- Compaction by vehicle tyres has only hardened the surface and has produced no cracks
- There is no rutting or corrugation, and no pot holes
- Vehicles can drive on the road at 100 km/hour with no vibration



Close-up of the road surface immediately after treatment with OFB Bind and Seal

**1.5 MONTHS**



**2.5 MONTHS**



**4.5 MONTHS**



**14 MONTHS**



# KEY FEATURES



## ENVIRONMENTALLY SAFE

OFB Soil products are non-toxic, non-hazardous and environmentally safe liquid soil additives that will yield a dramatic increase in the strength of virtually any type of soil base. They are also non-corrosive and will not harm construction equipment.



## EFFECTIVELY RECYCLED

OFB Soil products can be easily and effectively recycled using Cold In-Place Recycling.



## REDUCES PERMEABILITY

Laboratory tests have confirmed that most soils treated with OFB Soil products will result in a significant reduction of permeability. Deterioration of a soil base generally begins with an invasion of moisture with ultimate failure resulting from an inability to sustain routine traffic conditions. OFB Soil products are inherently resistant to moisture, and when combined with well compacted soil the possibility of moisture penetration is significantly reduced. Potholes, ruts, "wash boarding," and cracks will be eliminated and the overall savings in maintenance repairs will be significant.



## INCREASES SOIL DENSITY

With good compaction and with sufficient applications of OFB Soil products the density of soil is significantly increased and the soil is sealed and hardened to appropriate specifications. The increased density, along with the overall strength of OFB Soil products will result in a much stronger and longer lasting base. The cost of building a deeper base will be eliminated, and the overall cost of future repairs will be significantly reduced.



## VERSATILE

OFB Soil products are an excellent choice for many applications including road building, dust control and suppression, prevention of soil erosion, and turning waste products into building materials. They are Ideal for most roads, car parks, rail footings and airport runways; and highly effective for lining dams and waterways.



## LOCKS SOIL TOGETHER

OFB Soil products locks soil particles together to form an extremely strong yet flexible water-impermeable barrier when combined with most soil types. As long as there are a minimum of 17% fines OFB products will bind most soils creating a surface that is extremely hard. Although they are so powerful OFB Soil products are very cost effective and easy to use.

# BENEFITS



## REDUCED ENVIRONMENTAL COSTS

Traditional non-liquid stabilizers are considered to be toxic and may result in high remedial costs [as well as long-lasting damage to the environment].



## REDUCED MAINTENANCE COSTS

Because OFB Soil products create a stronger, more durable and longer lasting base, the cost of a wearing surface can be greatly reduced and significant cost savings can be achieved.



## REDUCED APPLICATION COSTS

The cost of applying OFB Soil products is significantly less than the cost of applying traditional non-liquid stabilizers such as lime and cement which is currently used for road bases. OFB Soil products uses existing soil in-situ and therefore soil cartage costs are eliminated. Application of OFB Soil products also requires far less equipment.





**OFB SOIL**

PROUDLY SUPPLIED BY



**Environmental  
Management  
Innovations**

Contact:  
**Steve Wardle**

Phone:  
**07 3737 7699**