

# TECHNICAL BULLETIN



19 Motivation Dve Wangara, WA, 6065 AUSTRALIA  
T +61 8 9302 4000 | FREE 1800 999 196 | F +61 8 9302 5000

## COMPARISON BITUMEN EMULSIONS vs CRUSTEX

### DISADVANTAGES OF BITUMEN EMULSIONS

1. Extremely messy and inconvenient to use. Requires aromatic solvents for cleanup.
2. Often fatal to plant life and ecology balance-(Ref W.H.Butler, W.A. Conservation Consultants)
3. Tank vapours can be flammable.
4. Tend to inhibit soil absorption of rainfall.
5. Blackening of soil surface - under Australian climates may increase temperatures above germination limits for plant seeds
6. High-sulfur oils and waste-type reclaimed emulsions may permanently poison environment.
7. Large quantity required for long term effectiveness.
8. Environmentally unacceptable. Not bio-degradeable or ecologically compatible.
9. Labour and handling costs heavy.
10. Overspray unsightly, difficult, if not impossible to clean up.
11. Very brittle crust which is readily subject to break up due to traffic and wind processes.

## ADVANTAGES OF CRUSTEX

- 1) Readily disperses in water dilution - stable in suspension.
- 2) Very fine emulsion-particle size ensuring extra depth of penetration of product giving more durable crust.
- 3) Gives durable protection for 6 - 24 months - not leached away by rain. (If cured after application, 1-2 days).
- 4) Non-toxic, totally non-hazardous to all forms of plant life and vegetation.
- 5) Colourless, non-staining, milky emulsion, can be washed off with water while still wet. Overspray not visible.
- 6) Light-activated catalyst action initiates polymerisation on application. stabilises applied film. Complete in 1-3 days.
- 7) Film is tough, but not brittle, when cured, (thickness and strength depending on dilution and application rate.)
- 8) Requires no skill in application.
- 9) Any water-sprinkler or spray system useable for application (provided reasonable nozzle/droplet size for saturation).
- 10) Adheres well to all forms of soil, sand, and mineral materials.
  - 11) Prevents wind-erosion and "creep" of sand dunes.
  - 12) Stabilises soils, road-shoulders, dunes, etc. during regrowth of vegetation - will not inhibit germination.
  - 13) Light colour does not raise soil temperatures beyond germination limits for seeds.
  - 14) Equipment clean up simple and not labour intensive assisting in lower overall application costs.

### **IMPORTANT NOTICE TO CUSTOMER**

Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. **ALWAYS TEST FIRST.**