



High Range Dust Suppressant

Chryso[®] Eco Dust

Increase road visibility
and grip by reducing dust

What are the challenges

Water is regarded the cheapest treatment of dust; however, the frequent re-application of water proves this method to be the least productive and not so cost effective in the long run. With the scarcity of water, most industries have a responsibility to focus on changing their practices to more environmentally friendly methods for the sustainability of water.

There is also a growing concern for dust emissions generated during mining/construction and traffic on gravel roads which needs to be controlled on a continuous basis. Different jurisdictions recognize the importance of dust suppression to protect health and safety, but standards and enforcement vary due to factors such as climate, industry practices, and local environmental conditions.

Dust affects us in various ways:

- **Safety** (loss of visibility can lead to accidents).
- **Health** (inhalation of dust affects our respiratory system).
- **Productivity** (impaired equipment and poor visibility leads to a halt on site).
- **Vegetation** (decreased transpiration and increase in heat absorption).
- **Aquatic** (aquatic fish and plants cannot adapt to high levels of dust sedimentation).

The solution

We have a range of soil stabilizers that are natural polymers. They are both biologically degradable and environmentally safe. We can assist by calculating your costs per m², and can supply in small quantities for your convenience.



Areas of use

- Unpaved Roads (gravel, haul, farm, quarry, game reserve, dust-sensitive agricultural and forestry, residential).
- Road Stabilization (runways, airstrips, heli-pads).
- Mine and Industrial dust suppression (stockpiles, mine dumps and tailings, quarries).
- Other (paddocks, sport fields, construction sites, manufacturing facilities).
- **Easy application and safe to use.**
- **Less fuel and water usage with reduced man hours.**



Application

- Profile and scarify surface 4-6 inches (100-150 mm).
- Pre-wet surface with water and leave to penetrate.
- Use an initial 15 or 20 % solution and apply to the surface with a water/tank truck with a rear mounted distribution bar that spreads the liquid evenly. The aim is to form a 0.2 inch (5 mm) crust.
- Contact a Chryso representative for advice on the most suitable solution.
- **100% natural, all-purpose liquid soil additive.**
- The durability of the treatments is determined by the depth of the penetration into the ground, evenness of application and mix ratio.
- A 0.2 inch (5 mm) crust is recommended.
- No need for compaction.
- Eco Dust is not pH-dependant therefor can be diluted with low pH or alkaline water.
- Non-corrosive formula enables use in steel reinforced environments
- **UV resistant and VOC free.**
- **Diluted with water for ultra low concentration application.**



Maintenance

- Quality of the base material.
- Climate conditions.
- Volumes and type of traffic.
- Factors influencing intervals between maintenance applications and life time of surface.
- High rainfall tolerance and reduces erosion.



Chryso® Eco Dust Range

Chryso® Dust Primer

High range dust suppressant – surface primer that is a co-product of cellulose production that aids as a binding additive.

Chryso® Eco Dust 100

High range dust suppressant – a fine particle size surface poly-adhesive that exhibits excellent dust binding and prolonged water resistance properties.



COALESCING OF RISING DUST

Increasing road visibility and grip.



STABILIZATION OF DUST

Eliminating grading and watering.



COMPLETE DUST SUPPRESSION

Creating a dust free environment.



APPLICATION AND MAINTENANCE

Low cost compared to paving or tar roads.



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SCAN TO LEARN MORE

