



# HSC

## Dust Control & Stabilization



WHERE SCIENCE

MEETS THE EARTH



HSC is an Eco-friendly Cement which is a self-healing, hard wearing soil stabilizer and dust suppression product that can be used in the construction of both temporary and permanent haul roads.

HSC performs well in existing roads giving the treated pavement superior tractions whilst minimizing potholes, corrugations and fugitive dust. Savings can be substantial when the insitu material is treated instead of overlaying and re-sheeting with expensive material.

## PRODUCT BENEFITS

**Pavement Strengthening, Moisture attracting eco-friendly soil stabilizer, cement and dust suppressant.**

**12-24 months solution.**

HSC is an environmentally friendly, biodegradable, hygroscopic cement which is hard wearing, self-healing and can solidify any soil or aggregate

The key advantage of HSC is that it is a non-hydraulic setting cement, it sets as it dries and reacts with carbon dioxide in the air.

As well as being a cement stabilizer, HSC is a dust suppression product. Being hygroscopic, HSC is able to draw moisture into the pavement keeping it dust suppressed, well bound, compact and maintenance free.

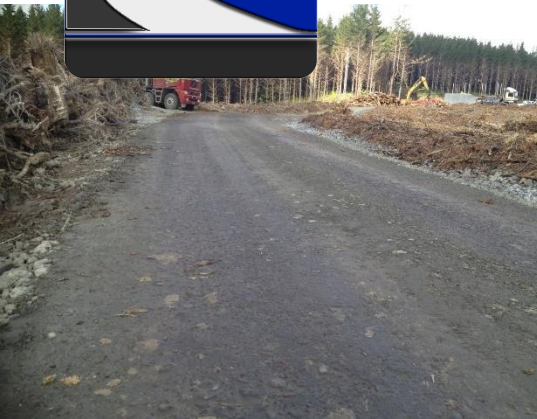
HSC out performs most dust suppression products on the market and has the ability to reduce dust to below PM10 standards.

HSC has a benefit of being able to be asphalted up to 24 months following the initial installation





# HSC



Forestry Haul Road



Stabilizer and Dust Suppression Product



Global Applications

## FAST FACTS



HSC applications are extensive and include the following:

- Dust Control
- Gravel Road Stabilization
- Haul Roads
- Mining and Forestry Roads
- Construction Sites
- Car parks
- Cycle Ways
- Vineyards - nurseries
- Standoff Pads

HSC is either applied by a Grader up to 75mm deep or a Mill for deeper applications.

Dose rates are dependant on the level of dust suppression and stabilization that your project requires.

\*\*\* (application methodologies available on request)

## The Facts

- HSC is an eco-friendly cement stabilizer and dust suppression product which is environmentally benign and biodegradable and able to stabilize and solidify most types of soil or aggregate
- HSC keeps excessive moisture out but allows the pavement to hold high enough moisture content to make a self-compacting, self-healing, strong, dust free pavement
- HSC is a non-hydraulic setting cement and once cured produces a strong, wear resistant unsealed pavement
- HSC can be sealed at a later date – up to 24 months
- HSC contains waterproofing agents to create a durable, water resistant matrix

## Features and Benefits

- Compatible with most soil types – an eco-friendly, resourceful and inexpensive solution
- Where there is limited local material, HSC can be mixed with the insitu material to modify and improve marginal or substandard material
- Provides a cement stabilized and dust suppressed pavement which draws in moisture keeping the pavement compact and well bound for extended periods.
- HSC is successful at suppressing dust to PM10 standards
- HSC improves the engineering properties of the treated material and is proven to eliminate the cost of grading and re-sheeting
- On a Gravel Lock road, aggregate quantities were reduced by 40%
- Roads construction is quicker, resulting in dramatic savings for the client and greatly improved productivity for construction crews and owners
- Long lasting, the product can also be rejuvenated and reworked with a maintenance grade
- Dose rates can be increased for more demanding environments
- Increases CBR strengths
- Where construction water availability is limited, brackish water is able to be used
- Road can be trafficked while construction takes place

Disclaimer, The data presented is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all test results by conducting their own trials. We reserve the right to alter product constants within the scope of technical progress or new developments. Any recommendations made in our literature should be checked by preliminary trials because of conditions during application over which we have no control, especially where raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular

