

CASE STUDY - RDC TEL PROJECT NZ HEB AND FULTON HOGAN ALLIANCE

RDC – ROAD DUST CONTROL
DUST SUPPRESSION AND WATER SAVER
ONE OF NEW ZEALANDS LARGEST PROJECTS



PRODUCT RDC – ROAD DUST CONTROL PRODUCT

SOLUTION DUST SUPPRESSION AND WATER SAVER

CLIENT HEB AND FULTON HOGAN ALLIANCE

CONTRACTOR HEB AND FULTON HOGAN ALLIANCE

LOCATION PAPAMOA HIGHWAY

WHERE SCIENCE



MEETS THE EARTH

PROJECT- Heavily used Haul Road Dust Suppression over the summer season

The customer's requirements was to minimise the use of water carts on this very large, 28km, site.

The haul road was preloaded with sand 3-20m deep and due to the difficult material needing to be treated (fine sands), the Gravel Lock program included more frequent applications using less product.

DESIGN & APPLICATION

A typical application of RDC at 2ltrs per sqm was used on the internal roads that had been overlaid with aggregate giving the customer excellent 12-20 weeks dust suppression. Also on this site RDC was used as a water saver on the fine material at a diluted application rate of 1:10 in the water cart.

INSTALATION

The product was supplied to the mine in 1000ltr IBC which were transferred into the water cart on site.

Equipment used: Grader, 8 ton Roller, Water Cart

Weather on the date of application: Fine

Sand added: in situ

Sand depth: 50mm

Depth Treated: 20mm

BENEFITS TO THE PROJECT

RDC is an Inexpensive, Instant and Non-corrosive Dust Suppression Product that has proven results.

- RDC bound the material well giving the wear layer a good running surface – less wear on the equipment
- minimised potholes and corrugations and no grading was required for the summer season following application – maintenance savings
- Being able to treat more heavily trafficked areas and dusty areas as and when required
- Facilitated with the water management of this very fine material
- RDC maintenance programme will prevent loss of the fine grained soil particles and protect your investment



GRAVEL LOCK LTD

P: +64 21677064

E: info@gravellock.co.nz

www.gravellock.co.nz