

CASE STUDY - HSC
MIKE PERO MOTORSPORT
PARK, CHRISTCHURCH, NZ
STABILIZING/CHIPSEAL
HSC – HYGROSCOPIC SOIL CEMENT STABILIZER



PRODUCT HSC – HYGROSCOPIC CEMENT STABILIZER

ENGINEER NOT REQUIRED

CLIENT MIKE PERO MOTORSPORT

CONTRACTOR HEB CONTRACTORS

LOCATION CHRISTCHURCH, NEW ZEALAND

WHERE SCIENCE



MEETS THE EARTH

PROJECT-

This extremely busy carpark was very dusty and the aggregate had worn out.

The scope of works was to initially stabilize the insitu aggregate and leave it unpaved. However, after 2 years the contractor chip sealed the pavement without any further maintenance works and which is still in excellent condition to date -

DESIGN

Application Rate: 6 kgs HSC per sqm

Purpose: Stabilization/ Depth Treated: 100mm

Expectations: 7 years+ with normal maintenance – client chip sealed the pavement after initial works 2 years later without any further works undertaken

INSTALATION

Equipment used:

Pulveriser, Grader, 10 ton Roller, Water Cart, Powder Spreader Truck, labourers

1 day for application of HSC and 1 day for application of chip seal

BENEFITS TO THE PROJECT:

- Dust issues were immediately resolved following installation of HSC
- Following installation, maintenance issues such as grading, potholes, corrugations, washboards, watering and gravel replacement were reduced to nil
- No maintenance equalled significant savings on resources other related costs for the Customer
- Road construction was rapid (1 day each for stabilizing and then for chip sealing)
- HSC gave the client an exceptionally strong pavement which was able to be chip sealed 2 years later without any further maintenance works



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