

CASE STUDY GUJARAT, INDIA SHRIMAD RAJCHANDRA FLEXI-C-MENT CO POLYMER SOIL STABILIZER



PRODUCT FLEXI-C-MENT CO POLYMER SOIL STABILIZER

CLIENT MATA POLYMERS

CONTRACTOR TARMAC CONTRACTING, NZ

LOCATION SHRIMAD RAJCHANDRA VIDYAPEETH

WHERE SCIENCE



MEETS THE EARTH

FLEXI-C-MENT

PROJECT – November 2015

Gravel Lock was approached to stabilize a newly formed road in Dharampur, Gujarat, one of the most sacred states in India. The college/temple had been constructed over a failing undeveloped clay haul road that constantly required expensive maintenance works. A 200mm gap 40/60 was laid down over the top of the existing roadway and the grader methodology was applied to this installation. Rudimentary equipment was used in this construction which illustrates the flexibility of the product and its variables.

DESIGN – 2ltrs of Flexi-C-Ment and 8kgs of Cement per sqm

1000mtrs long X 6mtrs wide (1km)

Treatment of heavy clay with 200mm overlay of gravel

Equipment – Manual Labour to spread the cement at 4kgs per sqm,

Grader, very basic Water Cart, Roller, Labourers

Road was completed in one day and the final roll was undertaken the next day.

INSTALATION – TARMAC CONSTRUCTION

Gravel Locks technical specialist travelled to Gujarat to meet with the local contractors and to oversee construction of this installation. The local contractors did not have a powder spreader so the cement was applied manually by hand by the locals at the specified rates.

THE PRODUCT PROVIDED THE BENEFITS TO THE PROJECT

- Massive savings on resources – cost effective solution
- Able to stabilize the marginal material
- Speed and ease of construction
- Lower maintenance costs on finished pavement
- Road withstood monsoon season and the stabilized pavement created a bridge where the untreated material washed away.



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