

Creation of a hydraulically solidified base layer in the course of the rehabilitation of an unpaved link road

Jobsite report

Roads

Location
Ereke/Sulawesi, Indonesia

Execution
March 2012

Milling depth
30 cm



Characteristics of this project

- › No gravel/aggregate material available
- › No durable stabilisation of the existing soil by using traditional soil cement technology
- › Heavy rainfall, road is flooded for several days

Factors of success for NovoCrete®

- › The existing soil could be stabilised
 - ›› *Secure and durable*
- › The layer absorbs no more water and remains stable
 - ›› *Time and money savings*

Project preparation - transportation of the equipment



Project preparation - road marking



Manually distribution of the cement bags



Manually distribution of the cement bags



Manually distribution of the cement



Spreading of the exactly defined amount of NovoCrete



Check of the spreaded amount of NovoCrete



Milling of the cement-Novocrete mixture up to a depth of 30 cm



Milling of the cement-NovoCrete mixture up to a depth of 30 cm



Homogeneous mixture after the milling process



Milling process with subsequent compaction



Static and dynamic compaction of the fine level by using a steel drum roller for achieving the required degree of compaction



Leveling of the fine level by using a grader



Levelling and compaction of the fine level is executed parallel and in several work steps



Close-up of the surface after the compaction



Irrigation of the area (protection against evaporation)



Irrigation of the area (protection against evaporation)



The finished lane is irrigated several times and then blocked for the traffic



Finished road blocked for traffic



NovoCrete®

Soil stabilization technology

Please find further information about NovoCrete® as well as further jobsite reports for the fields of application paths, roads, areas, foundations, railways and harbours on our website www.novocrete.com

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