

Soil stabilization technology

Creation of a hydraulically solidified base layer in the course of the new construction of the Trans-Papua-road

Jobsite report

Roads

Location Merauke, Indonesia

Execution May 2014

Milling depth 25 cm





Characteristics of this project

NovoCrete[®]

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

Factors of success for NovoCrete®

- > The existing laterite soil could be stabilised
 - >> Secure and durable

NovoCrete[®]

- > The layer absorbs no more water and remains stable
 - >> Time and money savings

Manually distribution of the cement bags



Spreading of the exactly defined amount of NovoCrete® per m²



Milling process of the cement-NovoCrete® mixture



Milling process of the cement-NovoCrete® mixture



Milling process of the cement-NovoCrete® mixture



Homogeneous mixture after the milling process



Irrigation of the area (protection against evaporation)



Leveling of the fine level by using a grader



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



Stabilized NovoCrete® base course layer (before irrigation process)



Close-up of the NovoCrete® base layer



Finished road with asphalt layer



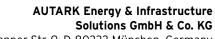


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Please find further information about NovoCrete[®] as well as further jobsite reports for the fields of application paths, roads, areas, foundations, railways and harbours on our website www.novocrete.com



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