

Democratic Republic of Congo



Sept 2014 – Bita – Kingankati Road off N1 National Road

The BITA road is a typical rural sandy graded road consisting of local insitu materials. Material tests were completed, showing the material to be sandy with very little grading and a plasticity index of 2. The decision was made by Office Des Routes, not to import any aggregate, but instead to see how SoilTech Mk. III polymer binder and the cold AsphalTech seal will function under the worst conditions, with over 2 000^{mm} of rainfall annually.

The application was simple and cost effective;

- The base-layer of the road was ripped to a depth of 150mm and stabilized with SoilTech Mk. III, 3rd generation polymer at 3 x litres per m².
- The road was then sealed with a 20^{mm} AsphalTech seal from Polyroads

SoilTech & AsphalTech Smart Materials become the first internationally company to be certified in the DRC for alternative road products

- 2020 – construction contracts for 1 000 Kilometers of road being finalised



- SoilTech Mk. III binder - Internationally Agrément Certified

- Roads - 10 Year Warranty with maintenance contract

• SMART MATERIALS

- Internationally certified - WFTAO
- Uses insitu materials
- Stronger roads
- Quicker construction
- Cost effective
- Longevity
- Job creation

• SMART MATERIALS USES

- Road Stabilization
- Side walks
- Parking lots
- Natural Seals
- Cycling paths
- Dam Lining



Under Construction



2014 - Completion



Jan 2020 – 6 years later with no maintenance. The road is 100%