

# Swaziland / Eswatini

## Southern Africa



### 2010 – Swaziland D9 Malkerns Road

October 2010, The Ministry of Roads, Swaziland, awarded a tender for the stabilization of 10 Km of the D9 road. Due to budget constraints, only seven Kms of the stabilized road was sealed with a wearing course.

The application was simple and cost effective;

- Distance 10 Km
- Width - First 7Km (to farm gate) = 7m wide
- Stabilization - to a depth of 150mm
- Aggregate - insitu material on the road was tested and found to be suitable for most of the road.
- Plasticity Index varied between 6-12%. Mostly in the region of 9%.

- Californian Bearing Ratio Readings

2010 – before stabilization 58

2011 – after stabilization 152

2012 – after 2 years 211

- 2020** – very little maintenance has been required on the road



- 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



Before - 2009



2018 Malkerns Road (D9)  
Hardly any maintenance



**POLYROADS**  
A DIVISION OF POLYMER PAVEMENTS (PTY) LTD

Tel: + 27 11 868-1181  
Email: support@polyroads.com  
www.polyroads.com