



**2021 – Serengeti Golf Estate**  
Johannesburg, South Africa

- **Consulting Engineers - CEENEX**
- **Project:** Roads for phase 5 & 6. After testing the in-situ materials with SoilTech Mk. III polymer binders at the SGS-Matrolabs in Johannesburg, it was decided not to import aggregate but instead to use the insitu materials for road construction.
- **Design: Base & sub-base stabilization**
  - Sub-base – insitu stabilization 150<sup>mm</sup> using 0.75 litres SoilTech Mk. III Polymer
  - Base-layer - insitu stabilization 150<sup>mm</sup> using 1.5 litres SoilTech Mk. III Polymer
- **Average Strengths Achieved**
  - Base-layer (after 4 days)
    - UCS 3.25 MPa
    - ITS 230 kPa
    - CBR 47
- **Average Strengths Achieved**
  - Base-layer (after 30 days)
    - UCS 3.99 MPa
    - ITS 330 kPa
    - CBR 145
- **Field Testing Lab – SGS Matrolabs**



- **SoilTech Mk. III binder - Internationally Agrément Certified**
- **Roads & Parking - compressive strength 10 Year Warranty**
- **SMART MATERIALS**
  - Internationally certified - WFTAO
  - Uses insitu materials
  - Stronger roads
  - Quicker construction
- **SMART MATERIALS USES**
  - Road Stabilization
  - Side walks
  - Parking lots
  - Natural Seals
  - AsphaltTech seals



SoilTech Mk. III Polymer Stabilized



Asphalt Seal



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