

# South Africa



## 1998 – Zeiss Road, Honeydew, Johannesburg, South Africa

1998 – an exercise was conducted by the CSIR to construct a road using our polymer stabilizer. At that stage the road was used by Maritz quarries for a period of six years, carrying 120 trucks in and out of the quarry per day.

**22 years later,** the quarry has closed down and besides the road being resealed with a fresh layer of 25mm asphalt, the road’s profile, camber and levels are totally intact.

The application was simple and cost effective;

- o The base-layer of the road was ripped to a depth of 150mm and stabilized with our first generation polymer at 1.5 litres per m2.
- o The road was then sealed with a low cost third-party 8mm chip & spray seal.
- o In 2015 the road was resealed with a new premix asphalt seal.
- o Californian Bearing Ratio Readings

1998 – before stabilization 38  
 1998 – after stabilization 98  
 2008 – after 10 years 101

- **2020** – SoilTech Mk. III is a third generation stabilizer and is 300% stronger than the Mk.I product used in the Honeydew project.



- 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



2008 – after 10 years



2012 – after 14 years  
Only edge break maintenance



2015 – after 17 years the wearing course is brittle and showing severe signs of wear. However, the stabilized base layer is still intact with no rutting or deformation