



Liner Protection: Richards Bay Regional Landfill

CASE STUDY

PROJECT: Richards Bay Regional Landfill, KZN
CLIENT: uThungulu District Municipality
CONSULTANT: PD Naidoo & Associates (Pty) Ltd
CONTRACTOR: Fountain Civil Engineering (Pty) Ltd

DATE: March 2003
QUANTITY: 33 000 m²
PRODUCT: bidim A10

Richards Bay Regional Landfill is a 33800 m² general waste (GLB+) disposal site. The site was lined with 1,5 mm thick HDPE geomembrane. **Bidim A10** was selected as a suitable geotextile protection to the geomembrane prior to placement of a 300mm thick leachate collection layer of 38mm aggregate.

Bidim A10 was selected for the protection to the HDPE liner due to thickness, high strength and resistance to protrusion and long term creep. Also considered were the long-term performance of PET polyester to chemical/biological degradation

