



Tidal Erosion Rehabilitation Erosion Control Isipingo Beach, KwaZulu-Natal

Case Study

Project:	Isipingo Beach Rehabilitation	Date:	May 2011
Client:	Ethekweni Municipality	Product:	Geocontainer®
Consultant:	Ethekweni Municipality – Coastal Department	Quantity:	200 bags
Contractor:	Leomat		

Due to some unusually heavy tidal behaviour, the beach at Isipingo, South of Durban, became eroded and threatened the stability of the adjacent car park. The strong tidal force eventually underscored the retaining wall making it urgent to rescue the threatened car park.



Having had prior success with Kaytech's EnviroRock® Geocontainer® bags along the KZN coastline, Ethekweni Municipality opted for this tried and tested method once again. As one of Kaytech's recommended Geocontainer® installers, Leomat Plant and Construction – again with previous experience of the product – managed a smooth timeous installation to save the car park from total destruction.

EnviroRock® Geocontainer® bags were used to create a defence wall to protect the car park from wave attack and erosion.

This was done by mechanically filling the bags with sand, hydro-dynamically compacting the sand and then positioning the back with mechanical slings bearing the weight.

Ethekweni Municipality has specified that Kaytech's EnviroRock® gecontainers be used for further rehabilitation projects along the coastline.