

CASE STUDY

Reinforcement | Retaining Walls | Watercrest Mall, KZN

Aug 2013

Client The Rowles group

Contractor Stefanutti Stocks / Advanced Retaining & Paving Systems

Consultant MCJ Engineers

Product **Rockgrid® PC** | 15 000m²

Rep Paul Lombard

Problem

Construction of the new multi-level Watercrest Mall required working around the steep slopes of the site. This necessitated the construction of safe, durable, flexible retaining structures.

Solution

The 140m long concrete retaining block wall at the site comprised three sections; a 60m long x 10 – 12m high section, a 45m long x 12m high section and a third section of 35m long x 15m high. The sub-contractor installed **RockGrid® PC 100/100** at every third layer of retaining blocks.

Constricted spaces, in which the many contractors were forced to work, as well as time constrictions, made for an interesting and challenging project.

The result was a neat and highly durable retaining wall that happens to be the highest **RockGrid® PC**-reinforced concrete retaining block wall in KwaZulu Natal to date.

Benefits

The quick and simple installation of **RockGrid® PC**, which does not require highly skilled or experienced labour, saved the developer both time and material costs.



Rockgrid® PC was laid at every third row of blocks



The 140m long, 15m high retaining wall which will support the new multi-level Watercrest Mall