



## ***National Awards 2006***

Twenty one project teams won National awards in this year's Awards for Excellence competition out of a possible 28. Awards were won in the following categories: Concrete Roof Tiles; Concrete Masonry; Concrete Block Paving; Concrete Retaining Wall Elements; Infrastructural Products and Innovative Products.

## **Concrete Paving Industrial**

### **National and Regional Winner – Western Cape**

#### **Grinrod Container Terminal – Salt River**

The rapidly expanding container market in Cape Town necessitated the construction of a new depot. Paving had to withstand 188 kN wheel loads imposed by monster forklifts lifting 12m long containers and stacking them six high.

Special 100mm thick interlocking paving blocks, manufactured by False Bay Bricks, resist the massive wheel loads. The blocks were laid over two stabilised sub-base layers and a well-compacted sub-grade. In situ clay over significant portions of the development was removed to spoil and replaced by G6 sub-grade, prior to stabilisation of the sub-base. The project was further complicated by existing services including electrical cables and main storm water culverts, inter alia.



**Grinrod Container Terminal – Salt River**



**Deon Van Vuuren  
Inca's paving specialist  
receiving the award.**

### **Professional Team**

Engineer: Ekcon Engineering

Contractor: Devtech Civils

Manufacturer: False Bay Bricks ( **Inca Concrete Products**)

### **Product Information**

100mm Interlock Grey. 35 MPa.

### **Judges' Comment**

Overcame design challenges with best functional solution.