

PROJECT SPOTLIGHT

SIMBA: Johannesburg: South Africa

Project description

Situated in Isando, east of Johannesburg the external concrete slab was designed to accommodate the movement of heavy trucks and forklifts in the loading bay and weighbridge vicinity. The company required a performance concrete slab design to handle the high traffic volume. The slab was originally designed using 40 kg/m³ Hooked End Steel Fibres. **Fibsol (Fibre Reinforcing Solutions)** compared the original design specifications and proposed an alternative using 7 kg/m³ **Macrosol X Synthetic Structural fibres** to satisfy the design requirements. The **Macrosol fibres** not only offer improved ductility and crack resistance but also provide enhanced impact and abrasion resistance resulting in a maintenance free slab at a saving in excess of 45% compared to Steel Fibres. The fibres were added to the ready-mix concrete truck on site.

PROJECT DATA

Project: **Simba**
Location: **Johannesburg: SA**
Application Type: **External Floor**
Concrete Quality: **25 Mpa**
Thickness: **150 mm**
Project Size: **5 000 m²**
Contractor: **RBD Construction**
Fibre Type: **Macrosol X 65 mm**



Fibsol (Fibre Reinforcing Solutions)

Fibre Technology for Superior Concrete Performance

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