

PROJECT SPOTLIGHT

CEC Engineering: Vereeniging: South Africa

Project description

Situated in Vereeniging, Gauteng the concrete slab was designed to accommodate the loading of heavy equipment onto trucks with forklifts around the factory apron. A durable abrasion & impact resistant concrete slab design was required to handle the heavy equipment & traffic. The slab was originally designed at 200 mm using Ref 395 Welded Mesh. **Fibsol (Fibre Reinforcing Solutions)** guided the Engineer who changed the original design specifications to 150 mm thick concrete with **6 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 at a saving of more than 30% compared to welded mesh. The fibres were added to the ready-mix concrete truck on site.

PROJECT DATA

Project: **CEC Engineering**
Location: **Vereeniging: SA**
Application Type: **External Floor**
Concrete Quality: **30 Mpa**
Thickness: **150 mm**
Project Size: **300 m²**
Contractor: **Hage Projects**
Fibre Type: **Macrosol X 55 mm**



Fibsol (Fibre Reinforcing Solutions)

Fibre Technology for Superior Concrete Performance

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