

PROJECT SPOTLIGHT

DUNLOP: Ladysmith: South Africa

Project description

Situated in Ladysmith, KZN the concrete slab was designed to accommodate the movement of light vehicles and forklifts around the factory. The client required a concrete slab design to handle the traffic and reduce maintenance costs. The slab was originally designed at 150 mm using Ref 311 Welded Mesh. **Fibsol (Fibre Reinforcing Solutions)** assisted the Engineer who changed the original design specifications to 100 mm thick concrete with **5 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 in access of 50% compared to the original welded mesh design. The fibres were added to the ready-mix concrete truck at the batching plant.

PROJECT DATA

Project: **Dunlop**
Location: **Ladysmith: SA**
Application Type: **External Floor**
Concrete Quality: **25 Mpa**
Thickness: **100 mm**
Project Size: **500 m²**
Contractor: **Sinyati Construction**
Fibre Type: **Macrosol X 65 mm**



Fibsol (Fibre Reinforcing Solutions)

Fibre Technology for Superior Concrete Performance

FIBSOL (Fibre Reinforcing Solutions)

Tel: + 27 82 494 0455

Email: fibsol@mweb.co.za

Web: www.fibsol.co.za