

PROJECT SPOTLIGHT

TOYOTA: Propection: South Africa

Project description

The new Parts manufacturing facility for Toyota SA in Wilcox Rd, Propection, KZN, was originally designed with Ref 395 Welded Fabric reinforcement. The slab was designed for heavy manufacturing equipment and the movement of forklifts in the factory and surrounding areas. The client required a 9 500 m² floor that was able to withstand high point loads and accommodate heavy traffic while keeping maintenance costs to a minimum. **Fibsol (Fibre Reinforcing Solutions)** in conjunction with the engineering team compared the original design specifications and proposed a cost effective alternative using **5 kg/m³Macrosol X Synthetic Structural Fibres** to satisfy the design requirements. The **Macrosol X Fibres** not only offer improved ductility and crack resistance but also provide enhanced impact and abrasion resistance. The fibres were added to the ready-mix trucks on site by the contractor. After completion the floor was further treated with a Polyurethane coating. The surrounding service road, driveway and parking area was done using **4kg/m³Macrosol X Synthetic Structural Fibre**.

PROJECT DATA

Project: **Toyota**
Location: **Propection: SA**
Application Type: **Ext & Int Floor**
Concrete Quality: **30 Mpa**
Thickness: **200 mm**
Project Size: **9 500 m²**
Contractor: **Renexcon**
Engineer: **Mike Sidney CE**
Fibre Type: **Macrosol X 40 mm**



Fibsol (Fibre Reinforcing Solutions)

FIBSOL (Fibre Reinforcing Solutions)

Tel: + 27 82 494 0455

Email: fibsol@mweb.co.za

Web: www.fibsol.co.za