

PROJECT SPOTLIGHT

NU WAY POULTRY

South Africa

Project description

Situated all around South Africa the 100 mm concrete slabs for large chicken houses were designed with Welded Mesh reinforcement to prevent cracking due to movement in poor ground conditions. Additional problems the contractor encountered were shrinkage & settlement cracking on the surface of the concrete. These cracks created problems because of the build-up of bacteria in the cracks once the floors were in use. **FIBSOL (Fibre Reinforcing Solutions)** proposed an alternative design using **600 g/m³ Microsol Micro Fibre & 2 kg/m³ Macrosol X Macro Synthetic Structural fibres** to satisfy the design requirements & prevent surface cracking. . **The Macrosol fibres** not only offer improved ductility and crack resistance but also provide enhanced impact and abrasion resistance while the **Microsol fibres** prevent and eliminate cracks formed in the plastic state of the concrete. The fibres were mixed on site in a standard drum mixer.

PROJECT DATA

Project: **Chicken Houses**
Location: **SA**
Application Type: **Internal Floor**
Concrete Quality: **25 Mpa**
Thickness: **100 mm**
Project Size: **+ 5 000 m²**
Contractor: **NU WAY Poultry**
Fibre Type: **Macrosol X 40 mm & Microsol 12 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