

PROJECT SPOTLIGHT

V – Drains: Kwa Makutha South Africa

Project description

In March 2013 Thekwini Metro Engineers Department specified **3 kg/m³ Macrosol X 40 mm Macro Synthetic Structural fibres** for V-Drains in Kwa Makutha, south of Durban. The fibres replaced traditional Welded Mesh used in this application. The use of fibre reinforcing as opposed to welded mesh resulted in a substantial cost saving due to the fact that the cutting of the steel fabric and wastage from off-cuts were eliminated. Local members from the community employed by the contractor were trained in the mixing and application of the Fibre Reinforcing Concrete (FRC). The fibres were added to the concrete on site where after it was placed and hand floated resulting in a durable drainage channel.

PROJECT DATA

Project: **V Drains**
Location: **Kwa Makutha**
Concrete Quality: **25 Mpa**
Thickness: **100 mm**
Project Size: **+400 m²**
Contractor: **Inkunzi Civils**
Engineer: **Thekwini Metro
Roads Dept**
Fibre Type: **Macrosol X 40 mm**



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