

## DEPARTMENT OF PUBLIC WORKS

NO. 1503

29 DECEMBER 2017

AGRÉMENT SOUTH AFRICA  
(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 12 September 2017, issued an Agrément certificate, details of which appear in the schedule hereto.

**SCHEDULE**  
Agrément Certificate 2017/546**Subject:** Geotex 500 and 600 Series Macro-Synthetic Fibres**Certificate holder:** Plusnet/Geotex (a division of Caroline Investments (Pty) Ltd)**Description:** Geotex 500 and 600 series Macro-Synthetic Fibres are crimped, macro-synthetic fibers which are manufactured from a natural polypropylene homo polymer. The fibres are manufactured in a continuous process of heated polypropylene and then stretched to improve tensile strength. The 500 series fibres, which are black or white in colour, are 30 mm, 40 mm and 50 mm in length with a diameter of 0.9 mm. The 600 series fibres, which are grey in colour, are 30 mm, 40 mm and 50 mm in length with a diameter of 0.8 mm. Geotex 500 and 600 series fibres have a density ranging between 0.88 – 0.9 kg/m<sup>3</sup>.

When used in accordance with the manufacturer's guidelines, the fibres will help to reduce plastic shrinkage cracking in both reinforced as well as unreinforced concrete. The fibres will also impart toughness and impact resistance to concrete. These fibres should be regarded as an additive to be used in addition with any specified reinforcement and movement joints rather than as an alternative to reinforcement and movement joints.

They are typically used:

- in industrial, commercial and residential slabs, beams, columns and pavements and
- in thin-section pre-cast concrete components such as wall panels

Unless a competent design professional specifies otherwise, Geotex 500 and 600 Series Macro-Synthetic Fibres shall be added at the dosage rate of 1 bag of Geotex fibres per cubic metre of concrete (i.e. 3 kg/m<sup>3</sup>).

The Agrément certificate contains detailed information on the product and can be accessed at <http://www.agrement.co.za>

Copies are obtainable from: Chief Executive Officer (CEO)  
Agrément South Africa, P O Box 395, **PRETORIA**, 0001