

NOTICE 248 OF 2011**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 21 April 2010, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2010/373

Name of product: PC FOR ROADS Non-traditional soil additive

Certificate holder: Marble Gold 453 (Pty) Ltd trading as PowerCem Southern Africa

Description: **PC for Roads** a brand name for an additive consisting of earth alkaloids and zeolites which is used in conjunction with cement for road base stabilisation. It reacts with cement and bond in-situ soil to form a water resistant, elastic and high strength composite material. **PC for Roads** is manufactured in the Netherlands in compliance with the specification of ISO 9001 and ISO 14002 standards and imported into South Africa by PowerCem Southern Africa. It is delivered in powder form and packed in 25 kg moisture resistant bags.

PC for Roads blend reacts with cement and supports the ionization process until equilibrium is reached and neutralisation has occurred by the positive ions. It is a complex chemical reaction and the interaction between the cement and the constituents of **PC for Roads** rapidly produces a needle-like crystalline cementitious matrix. The matrix has interlocking potential and generates significant improvements in strength, and also allows for more flexibility than in traditional cement based or only cement treated materials.

The chemical compounds within **PC for Roads** ensure that any contaminants are chemically solubilised and mobilised and made available in the cementitious reaction process. The contaminants subsequently become encapsulated within the non-water soluble hydrous cementitious product. Leaching potential is significantly reduced and in some cases eliminated completely.

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

Copies are obtainable from: The Manager
Agrément South Africa
P O Box 395
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PRETORIA