

## DEPARTMENT OF PUBLIC WORKS

NO. 308

18 MARCH 2016

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

Notice is hereby given that Agrément South Africa has, with effect from 10 December 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

## SCHEDULE

## Agrément Interim Certificate 2015/496

- Name of product:** Ecobond: Non-Traditional Soil Stabiliser
- Certificate holder:** Techneco (Pty) Ltd
- Description:** Ecobond, a non-traditional soil stabiliser, is a modified bitumen emulsion polymer. It is used for stabilizing road base construction materials for both paved and non-paved gravel roads and also in wearing course for gravel roads.
- Ecobond is constituted on site through a chemical reaction by mixing bitumen emulsion, synthetic resin, water and a proprietary catalyst. The mixture is added to crushed stone, natural gravels or sand to form a water resistant, elastic and robust layer. It improves the compressive, tensile and shear strength and also the abrasion and water resistance of the particulate materials for road construction. It is insoluble in water and hence does not leach.
- The mixing ratios and application rate (mix design) depend on the site specific material and the required road design specifications.
- Ecobond is applied at ambient temperature and by use of water tanker trucks. It is applied as a form of bitumen stabilizing material and the standard design methods detailed in SANRAL's manual SAPEM 2013 and SABITA's TG2 are applicable. Alternatively Techneco (Pty) Ltd.'s guideline documents offer application methods.

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  
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**PRETORIA**  
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