

DEPARTMENT OF PUBLIC WORKS

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

Notice is hereby given that Agrément South Africa has, with effect from 29 March 2018, issued an interim Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Interim Agrément Certificate 2018/564

Subject: Polymer Modified Bitumen Stabilising Material: Soil Stabiliser

Certificate holder: New Age Road Solutions

Description: PMBSM soil stabiliser, is a poly modified bitumen emulsion. It is used for stabilising road base construction materials for non-paved gravel roads.

PMBSM is constituted through a chemical reaction by combining polymers and bitumen emulsion. Depending on the moisture content of the soil, PMBSM can be diluted with water to obtain the required optimum moisture content. The resultant mixture is added to natural gravels to form a water resistant, elastic and robust layer. The addition of PMBSM produces a Bitumen Stabilising Material design that results in increased strength and durability of the base course while repelling the ingress of water.

The mix design and application rate depend on the site-specific material and the required road design specifications.

PMBSM is applied at ambient temperature by use of calibrated recyclers or Bitumen distributors. It is applied as a form of bitumen stabilizing material and the standard design methods detailed in SANRAL's manual South African Pavement Engineering Manual (SAPEM) 2013 and South African Bitumen Association (SABITA)'s TG2 are applicable. Alternatively New Age Road Solutions' 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)
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