

## DEPARTMENT OF PUBLIC WORKS

NO. 1191

03 NOVEMBER 2017

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

Notice is hereby given that Agrément South Africa has, with effect from 30 March 2016, issued an Agrément certificate, details of which appear in the schedule hereto.

**SCHEDULE**  
Agrément Certificate 2010/381

**Subject:** UL-M 20/10 Thin Bituminous Road Surfacing System

**Certificate holder:** National Asphalt (Pty) Ltd

**Description:** This certificate covers the use of UL-M 20/10 Thin Bituminous Road Surfacing system in all regions of South Africa. The system was assessed for use on roads classified as category 1A and 1B which means that the certificate is valid for:

- a maximum Annual Average Daily Truck Traffic (AADTT) of up to 7 000 in free flowing traffic situations, and
- an AADTT of up to 7000 in situation with slow traffic, such as intersections and lanes with inclines of more than 6 per cent respectively.

UL-M 20/10 is a thin bituminous road surfacing system generally laid to a nominal compacted thickness ranging from 20 - 40 mm. Principally it consists of a blend of modified bituminous binder Evatech U (EVA), graded crushed stone (aggregates) of nominal size 10 mm and a filler. The UL-M 20/10 is applied by a paver over a tack coat. It is designed to provide improved skid resistance and reduce tyre/surface noise levels and, where required, reduce permeability.

UL-M 20/10 was developed in the 1980's in France by Enterprise Jean Lefebvre and it carries the British Board of Agrément certification (Roads and Bridges Agrément Certificate No 01 / H047). It is extensively used around the world including Europe, USA, and South America. It has successfully been used on a number of sites in South Africa. National Asphalt (Pty) Ltd is licensed to manufacture and apply the product in South Africa.

The mix design, manufacturing and application of the product is to be strictly controlled and under the supervision of a registered professional engineer and approved by the manufacturer's Technical Manager. The mix proportions may vary slightly from area to area, depending on the traffic, substrate (road base) and the actual properties of the stone received. Aggregates must meet specifications with respect to grading, strength, shape, polished stone value and aggregate/ bitumen compatibility etc.

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