

DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

NO. 4873

24 May 2024

AGRÉMENT SOUTH AFRICA

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 12 August 2021, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2021/626

Subject: Plastic ECO Paving Brick

Certificate holder: D'KERD ECO Manufacturer

Description: Plastic ECO Paving Brick is a paving brick manufactured from a plastic sand composite. The standard plastic-pavement brick has dimensions of 40 mm in thickness, 100 mm width and a length of 200 mm. The paving bricks are either rectangular or hexagonal in shape with a compressive strength of 13,8 Mpa.

The brick comprises plastic (High Density Polyethylene (HDPE) and Low-Density Polyethylene (LDPE)), plaster sand or river sand and cement oxide. The purpose of the plastic is to provide the binding effects among the sand particles. The main purpose of the sand is to provide strength, and the cement oxide provides colour only. Plastic is melted in a steel container that is exposed to open fire from gas stove. A stirrer is used to mix the melted plastic with the sand, then the colourant is added. A steel mould is used to mould the mixture to desired shape or pattern.

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 72381, LYNNWOOD RIDGE, 0040