

DEPARTMENT OF PUBLIC WORKS

NO. 205

22 FEBRUARY 2019

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

Notice is hereby given that Agrément South Africa has, with effect from 18 October 2018, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2018/578

Subject: Lighthouse Building System

Certificate holder: Working on Fire (Pty) Ltd

Description: Lighthouse Building System is designed for the erection of single-storey structures. The building system comprises walls made from a chipped biomass concrete mixture. The biomass concrete mixture consists of binder cement and additives, aggregates and treated wood chips.

The system is erected on a conventional concrete raft foundation that is designed by an approved competent person.

Roofs can either be constructed from conventional light-weight steel or timber trusses, with light- or heavyweight roof cladding. Insulated ceilings are always installed.

Walls are either cast in-situ or made of panels (2400 mm high and 820 mm wide). The density of the cured biomass concrete mixture is 1100 to 1300 kg/m³. Walls are constructed in thicknesses ranging from 80 mm to 200 mm, depending on the needs of the end user. External walls must be plastered on the outside face with a layer of 10 mm thick conventional plaster and skim coated on the inside face. Internal walls may be left unplastered or plastered with a 1 mm to 5 mm thick cement-based biomass plaster comprising a mixture of sawdust, cement and acrylic primer.

Window and door frames are conventional or Agrément approved, are purposely made to suit the design of the building and must be sealed with an acrylic sealant.

Ducting for services are fixed inside the shuttering but not deeper than 50 mm in the wall panel itself (dividing walls only).

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