

DEPARTMENT OF PUBLIC WORKS

NO. 206

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 25 May 2018, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2018/575

Subject: Ikhaya Futurehouse Building System

Certificate holder: Ikhaya Futurehouse Systems (Pty) Ltd

Description: The Ikhaya Futurehouse Building System buildings are single- and multi- storey buildings where the manufacture of wall panels and erection are under the control of a professional engineer or approved competent person who will:

- ensure wall panel manufacturing standards are maintained
- ensure the integrity of the entire building
- adhere to the requirements of this certificate.

The Ikhaya Futurehouse Building System utilises factory produced wall panels and conventional roof construction. The wall panel consists of a core of 80 mm thick expanded polystyrene (EPS) with a density of 16 kg/m³. The panels have a corrugated profile and are 2.4 m high (minimum) x 1.2 m wide. Galvanised steel mesh is applied to both sides of the EPS and then electro-welded to galvanised wire ties passing through the EPS core.

All walls are connected to the foundation reinforced with Y6 drilled anchor reinforcing bars at 300 mm centres, spaced alternately on either side of the wall.

Corners and wall junctions are reinforced with L-shaped strips of weldmesh wire tied to the wall panel weldmesh.

Wall panels are finished with 35 mm thick spray applied (Gunit) structural plaster at the valley deepest point (15 MPa) to both sides of the EPS core and 20 mm at the galvanised weldmesh (cement and fine aggregates comply with the relevant **SANS** specifications).

Foundations and surface beds are engineer designed where soil conditions are problematic. Roof construction is conventional timber or light-weight steel trusses with light- or heavy-weight roof covering.

Windows, doors and services are conventional.

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