

NOTICE 660 OF 2007**DEPARTMENT OF PUBLIC WORKS
AGREMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agreement South Africa has, with effect from 29 March 2007, issued an Agreement certificate, details of which appear in the schedule hereto.

SCHEDULE

Agreement Certificate No 20071331

Name of product: Ikhaya Future House Building System

Certificate holder: Ikhaya Future House Systems (Pty) Ltd

Description: The Ikhaya Future Building System buildings are single storey buildings where the manufacture of wall panels and erection site 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 Future House Building System utilises factory produced wall panels and conventional timber roof construction. The wall panel consists of a core of 80mm thick expanded polystyrene (EPS) with a density of 16kg/m^3 . The panels have a corrugated profile and are 1,2m wide x 2,4m high. Galvanised weldmesh to both sides of the EPS, is electro-welded to galvanised wire ties passing through the EPS core (figure 2).

A reinforced concrete ring beam is cast at eaves level to all external eaves and gable walls.

External corner and T-wall junctions are reinforced with u-shaped reinforcing bars at 250mm centres, passing through the EPS core and the legs on either side of the junction wall (figure 4).

Internal wall junctions are reinforced with L-shaped strips of weldmesh wire tied to the wall panel weldmesh (figure 5).

Wall panels are finished with 40mm thick spray applied (Gunit) structural plaster (15MPa) and 12mm plaster finishing coat to both sides of the EPS core (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 trusses with light weight cladding (12kg/m^2).

Insulated ceilings are always installed.

Windows, doors and services are conventional.

The Agreement certificate contains detailed information on the product and can be accessed at <http://www.agreement.co.za>

Copies are obtainable from: The Manager
Agrément South Africa
P O Box 395
0001 **PRETORIA**