

DEPARTMENT OF PUBLIC WORKS

NO. 218

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 2018/586

Subject: BioBuild Building System

Certificate holder: BIOBUILD (Pty) Ltd

Description: BioBuild Building System is constructed under the supervision of a registered competent person who will ensure the structural integrity of the entire building.

The wall panels are factory produced and comprises mineralized wood chips combined chemically by pozzolanic reaction with lime cement. Panels are structurally reinforced. The cement bonded wood-chip mixture has a compressive strength of 800 kg/m³ and strength ranging from 1-6 Mpa.

The panels are erected on a concrete foundations with thickened edge beams and always designed by an approved competent person.

External wall panels are 180 mm thick and are reinforced with 2 x expanded metal lathing ref. 100, at 60 mm c/c. Internal walls are 120 mm thick and reinforced centrally with one wire mesh sheet. All walls are connected to one another in a Z-shaped dry joint.

Both external and internal walls are plastered both sides with 10 mm thick layers of conventional plaster, resulting in overall thickness of 200 mm and 140 mm, respectively.

Panels at corner and T-junctions are connected with 3 equally spaced 3 mm thick galvanised L-shaped brackets (150 mm x 150 mm) or as per engineer's specification. The panels are attached to the floor slab in the same manner.

Roofs comprise timber rafters accommodated of slots provided at the top of eaves walls spaced at 700 mm c/c. The rafters are supported at the apex of the roof by a laminated timber beam spanning from gable to gable end, which is always designed by a roofing specialist. The roofs are covered with light- or heavy- weight cladding.

Window and door openings are incorporated in the panels during the manufacturing process.

Services are surface mounted onto walls or along the floor with proper service tubing applied as required or grouted into the walls and covered with a skim plaster coat. These services must be installed in accordance with good building practice.

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