

DEPARTMENT OF PUBLIC WORKS

NO. 1192

03 NOVEMBER 2017

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

Notice is hereby given that Agrément South Africa has, with effect from 30 March 2016, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2016/508

Subject: I-Wall Building System

Certificate holder: Insulated Build Manufacturing (Pty) Ltd

Description: I-Wall Building System is a single-storey structure that utilises factory produced panels that consist of 100 mm thick expanded polystyrene (EPS) for external walls and a 100 mm or 75 mm thick EPS for internal walls. Wire mesh, which acts as plaster key is secured to both sides of the wall panels. Wall panels are then rendered both sides with 25 mm thick spray applied plaster with the resultant overall thicknesses of 150 mm and 125 mm, respectively.

Both external and internal EPS panels have a density of 16 kg/m³ and they are 2400 mm high with 600 mm, 900 mm or 1200 mm widths. The heights of gable wall panels are determined by the pitch of the roof. Wall panels have grooved vertical edges which accommodate column Masonite biscuits projecting either side to slot into the EPS wall panels.

Wall panels are strengthened with back to back 63.5 mm x 35 mm x 0.5 mm galvanised mild steel lipped channel columns with a tempered Masonite biscuit sandwiched between the channels which slot into the EPS wall panels. Walls are secured at the bottom by a 102 mm or 77 mm x 30 mm x 0.5 mm galvanised mild steel base rails and at the top with back to back 102 mm x 30 mm x 0.5 mm galvanised mild steel ring beams with a 114 mm x 38 mm timber wall plate slotted into the top channel.

Foundations are concrete rafts comprising 75 mm thick surface beds on damp proof membranes with thickened perimeter edge beams. Surface beds are also thickened under internal walls.

Roof construction is conventional. Trusses can either be timber or light gauge mild steel with light- or heavy-weight cladding. Door and window frames can be aluminium, timber, precast concrete or Agrément SA approved.

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 395, **PRETORIA**, 0001