

DEPARTMENT OF PUBLIC WORKS

NO. 1180

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 07 December 2016, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2016/530

Subject: African Modular Building System

Certificate holder: African Modular Building Solutions cc

Description: African Modular Building System is a prefabricated building system for single-storey structures and utilises factory produced sandwich panels that are assembled on site.

The building system may either be erected on a conventional concrete foundation or galvanized steel chassis. The steel chassis is hot-dip galvanized and conforms to the requirements of **SANS/ISO 121:2011**. The design and approval of foundations is always the responsibility of a registered competent person.

The panels for external walls are 72 mm thick and consist of a 59 mm thick polyurethane foam core clad with 0.5 mm thick chromadek skins on either side and finished with a layer of 12 mm thick magnesium oxide (MgO) board on the internal face. The panels are fixed onto galvanized U-channel rails, 40 mm x 61 mm x 40 mm x 1.6 mm thick, at top and bottom, using 7 mm \varnothing x 25 mm counter sunk (5mm deep) screws. The panels are joined on the sides through male and female steel sections.

The panels for internal walls are 64 mm thick and comprise a 39 mm thick polyurethane foam core clad with 0.5 mm thick chromadek skins on either side and finished with a layer of 12 mm thick MgO board on either side. These panels are fixed onto U-channel top and bottom rails with the dimensions 40 mm x 41 mm x 40 mm.

Roofs comprise galvanised light-weight steel trusses and purlins clad with chromadek IBR roof sheeting. Sisalation® reflective roof insulation foil is placed on the trusses and purlins prior to installing the roof sheets. The ceiling sheets are of the same material as the walling and fixed onto the trusses.

Window and door frames are conventional or Agrément approved and are purposely made to suit the design of the building.

Plumbing and electrical conduits are surface mounted onto the composite panels. These services must be specified and installed in accordance with good building practice.

Floors are finished with vinyl sheeting.

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