

DEPARTMENT OF PUBLIC WORKS

NO. 1194

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 01 June 2016, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2016/513

Subject: Modular Housing Container Building System

Certificate holder: Equitable Housing Group (Pty) Ltd

Description: Modular Housing Container Building System comprises new or second hand mild steel shipping containers based on a steel structural framework, structural steel columns and beams, and composite wall panels. The system is available in a range of the following sizes:

- Internal length – 2808 mm – 12008 mm
- Internal width – 2200 mm – 2958 mm
- Floor area – 7.28 m² - 35.52 m²

NB. The minimum internal height of buildings/container is 2400 mm but can be furnished to the client's requirements.

The steel beams, floor joists and roof joists are manufactured from cold-formed galvanised steel that complies with the requirements of **SANS 10162-2**, and has a coating equivalent in corrosion resistance and robustness to galvanising (Z275).

Floors comprise an 18 mm thick marine ply, moisture-resistant, board bonded and fixed to the galvanised steel joists with adhesive and M5/M6 chipboard screws.

Walls are of composite construction having an external face of a 0.8 mm thick galvanised steel sheet, studs and peripheral frame, and an internal face of a 0.8mm thick galvanised steel sheet. The void between the external face and internal face is filled with 50 mm fibre wool insulation. The external faces of wall panels are covered with 12.5 mm thick gypsum firestop board, and then plastered (3 mm to 5 mm thick) and painted to suit the requirements of the client.

The roof is of composite construction having an external profiled (trapezoidal) skin of 2.5 mm corten steel container roof, cold-formed steel joists and 16 mm ceiling board. The void between the external skin and ceiling is filled with 150 mm mineral wool insulation.

All plumbing and electrical conduits can be pre-fixed or surface mounted onto the composite panels. These services must be specified and 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 395, **PRETORIA**, 0001