

## DEPARTMENT OF PUBLIC WORKS

NO. 189

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 29 November 2017, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE  
Agrément Certificate 2017/559

**Subject:** RWPA Building System

**Certificate holder:** RWPA Solutions (Pty) Ltd

**Description:** RWPA Building System is a timber frame structure designed and erected on site under the control of a professional engineer or approved competent person who:

- ensures the structural integrity of the entire building and
- adheres to the requirements of this certificate.

RWPA Building System makes use of isolated reinforced concrete bases set on a 1500 mm grid. Bases are 400 mm wide x 150 mm deep, with a tubular plastic post (125 mm ø) cast onto each base.

RWPA Building System makes use of suspended timber floors consisting of a timber frame, a damp-proof membrane conforming to **SANS 952-1** and wood plastic composite (WPC) cladding panels attached to the frame. The timber frame conforming to **SANS 1783** and **SANS 10082** is made up of conventional 38 mm x 76 mm floor joists spaced at 400 mm centres supported on 38 mm x 152 mm bearers at 1500 mm centres, supported in turn on 125 mm diameter plastic posts.

Walls consist of 38 mm x 76 mm studs, noggins, and top and bottom wall plates. Walls are clad externally with WPC panels and lined internally with 12.5 mm thick gypsum fire resistant board. Before the walls are clad with WPC panels, a bracing strap is attached over the walls for additional support. The cavity formed between studs, noggins, wall plates, wall cladding and wall lining is filled with 60 mm thick Lambda board.

Roofs consist of 0.5 mm thick metal sheeting supported on 38 mm x 152 mm timber purlin rafters, spanning between external walls at 1200 mm centres. Gypsum ceilings (6 mm) are fixed to 50 mm x 50 mm brandering at 400 mm centres, fixed in turn to the inside of the purlin rafters. The cavity between the ceilings and roof sheeting is partially filled with 135 mm flexible polyester or fibreglass insulation.

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

Services are either surface mounted or installed in walls.

The interior and exterior of panel surfaces are finished with acrylic paint.

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