

## DEPARTMENT OF PUBLIC WORKS

NO. 200

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 March 2018, issued an Agrément certificate, details of which appear in the schedule hereto.

**SCHEDULE**  
Agrément Certificate 2018/562

**Subject:** PolyCare Modular Building System

**Certificate holder:** PolyCare Research Technology GmbH & Co.KG

**Description:** PolyCare Modular Building System is designed for single-storey structures. The building system is erected through a Modular Assembly System (MAS) comprising polymer concrete blocks that are assembled on site.

The building system is erected on a conventional concrete foundation that is designed by an approved competent person.

Polymer concrete consists of dry ratio of 87% mineral fillers and 13% binders, mineral raw materials bound together with a mixture of reactive resin hardeners and accelerants, instead of the typical cement and water in traditional concrete.

Polymer interlocking concrete blocks with cores filled with expanded polystyrene (EPS) include the following configurations:

- Pillar stone (100 mm x 100 mm x 300 mm)
- Corner stone (200 mm x 200 mm x 300 mm)
- Z-stone (300 mm x 200 mm x 300 mm)
- 1st element (100 mm x 100 mm x 300 mm)
- 2nd element (200 mm x 100 mm x 300 mm) and
- 3rd element (300 mm x 100 mm x 300 mm).

Walls are 100 mm or 200 mm thick and comprise the interlocking polymer concrete blocks joined together with metal plates and further reinforced with threaded steel rods.

Roofs can either be constructed from light-weight steel or timber trusses, with light- or heavyweight roof cladding. Insulated ceilings are always installed.

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

Services are run through hollow service blocks. 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 72381, LYNNWOOD RIDGE, 0040