

DEPARTMENT OF PUBLIC WORKS

NO. 212

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

SCHEDULE

Agrément Certificate 2018/576

- Subject:** AAC Precast Modular Housing System
- Certificate holder:** Century Construction Supply LLC
- Description:** Autoclave Aerated Concrete (AAC) Precast Modular Housing System is a light-weight concrete masonry panels consisting of sand, cement, lime, fly ash, gypsum, aluminium powder paste, water and an aerating agent.
- The panels are factory manufactured with external walls 100 mm and internal walls 75 mm thick with different sizes of 600 mm x 2700 mm, 600 mm x 3000 mm and 600 mm x 5000 mm.
- The foundations are conventional concrete raft with thickened edge beams. They are always the responsibility of a registered professional competent engineer.
- External wall panels are 100 mm thick and are reinforced with 2 x rebar reinforcing with double layer anti-rust treatment, at 25 mm c/c. Internal walls are 75 mm thick and reinforced centrally with one rebar reinforcing 5 mm \varnothing with double layer of butadiene latex anti-rust treatment. All walls are connected to one another in a tongue and groove joint.
- Both external and internal walls are plastered both sides with 10 mm thick layers of conventional plaster, resulting in overall thickness of 120 mm and 95 mm, respectively.
- Panels at corner and T-junctions are connected with M12 x 100 mm galvanised hexagonal bolts or as per engineer's specification. The panels are anchored to the surface bed with a U-channel size of 102 mm x 58 mm x 1.2 mm thick galvanised steel.
- The roof structures are conventional, and constructed from light-gauge galvanised steel trusses that must be designed by a professional registered competent engineer and erected under his/her supervision. The roof structure is clad with light- or heavy-weight cladding. Engineered timber gangnail trusses can also be used if required.
- All services are conventional and electrical conduits are chased into the wall surface which should be no grater then 25 mm as one would do for conventional masonry structures. The grooves are then filled using proprietary filling compound which is then sanded down and plastered over or simply painted depending on finishing requirements. 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