

DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

NO. 4862

24 May 2024

AGRÉMENT SOUTH AFRICA

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 21 September 2020, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2020/613

Subject: Envirolite Blocks Building System

Certificate holder: Envirolite Concrete (Pty) Ltd

Description: Envirolite Concrete Building System comprise of light-weight concrete blocks, manufactured using a mixture of Expanded Polystyrene (EPS) beads, cement, sand, water and Envirolite Concrete proprietary concrete additives. The blocks have a compressive strength of at least 3,5 Mpa and a dry density of 850 kg/m³. The blocks are produced in moulds in a factory with the following dimensions:

☐ 90 mm wide x 190 mm high x 390 mm long

☐ 140 mm wide x 190 mm high x 390 mm long

☐ 190 mm wide x 190 mm high x 390 mm long

The blocks are laid in conventional stretcher bond pattern whereby the first course is laid on conventional mortar and the rest of the courses use conventional porcelain fix tile adhesive as mortar. Mortar joints should be no thicker than 10 mm.

A standard key-coat/slush mixture of cement, bonding agent, sand and water must be applied to the blocks 24 hours prior to plastering. A 5 mm to 8 mm scratch coat of conventional plaster is applied 24 hours prior to the final coat of plaster which is also 5 mm to 8 mm thick. When both scratch and finish plaster coats are completed the total plaster thickness should be between 10 mm and 15 mm.

Conventional strip footings or raft foundations may be used and are always the responsibility of an approved competent person.

Roof structures comprises light-weight steel or timber trusses with metal sheeting or concrete tiles or any Agrément South Africa approved cladding. Light-weight roofs must be tied down to the foundation and they must always be the responsibility of an approved competent person.

All services on the Envirolite Concrete blocks are conventional and are chased into the wall surface as one would do with conventional brick structures. The chase grooves are then filled using the adhesive mortar. It is good building practice to cover all chased services with an alkali resistant fibreglass mesh to avoid latent plaster cracks. The services must be specified and installed in accordance with good building practice.

The Agrément certificate contains detailed information on the system 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