

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

NO. 4868

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 27 September 2022, issued an Agrément certificate, details of which appear in the schedule hereto.

## SCHEDULE

Agrément Certificate 2022/635

**Subject:** Hempcrete Block Building System

**Certificate holder:** AFRIMAT Hemp (Pty) Ltd

**Description:** The Hempcrete Block Building System comprises non-load bearing masonry walls used as infill, insulating or partition walls in building envelopes. The walls are used in conjunction with any structural frame designed by a **competent person**. The density of the Hempcrete blocks is 860 kg/m<sup>3</sup> with an average compressive strength of 0,59 MPa.

The hempcrete blocks are factory produced with specialized equipment. The main ingredients for the manufacturing of the blocks are:

- ☐ hemp shiv (aggregate 2-20mm)
- ☐ formulated Lime (binder) and
- ☐ portable Water

The Hempcrete Block Building System consists of the following block sizes:

Height and lengths	Thicknesses (mm)
190 mm x 390 mm	110, 140, 150, 180, 220, 250, 280
250 mm x 500 mm	110, 140, 200, 280, 300, 360
300 mm x 600 mm	110, 140, 220, 280, 300, 360

External wall thicknesses are 220 mm, 270 mm up to 360 mm and internal walls are 110 mm up to 180 mm and constructed in stretcher course.

The Hempcrete block walls can also be used in conjunction with conventional brick walls with thicknesses of 110 mm thick for internal walls and 230 mm thick (or occupancy dividing walls) for external walls as per good building practice. Both external and internal walls are plastered on both sides with a 20 mm thick layer of breathable lime plaster and an approved paint/sealer.

Roof structures and foundations are conventional and are always the responsibility of a competent person. This must be in accordance with the requirements of **SANS 10161** and constructed accordingly.

All other services and installations are conventional and are done as per 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