DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

NO. 3769





AGRÉMENT SOUTH AFRICA

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 28 June 2023 issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2023/643

Subject:	Punku H-Block Building System
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Certificate holder: HWV Projects (Pty) Ltd

Description:

The Punku H-Block Building System is a dry stacking system comprising concrete H-Blocks interlocking with concrete keystones, custom-made lintels and window sills. The building system components (H-Blocks, lintels, keystones and window sills) are manufactured from concrete with a minimum compressive strength of 7 Mpa. The building system components are manufactured in moulds with the following dimensions:

- H-Block: 200 mm (W) x 300 mm (H) x 400 mm (L)
- Closed H-Block: 200 mm (W) x 300 mm (H) x 400 mm (L)
- Half H-Block: 200 mm (W) x 300 mm (H) x 200 mm (L)
- Hexagon-shaped Keystone (tapering): 88 mm (Base) x 88 mm (Width) x
 160 mm (Depth)
- Lintels: 75 mm (Height) x 118 mm (Base width) x 2000 mm (Length)

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Tel: +27 64 864 0129 Web: www.agrement.co.za Email: agrement@agrement.co.za Address: INFOTECH Building, 1090 Arcadia Street, Hatfield, Pretoria, South Africa

- Side sills: 200 mm (Thickness) x 1200 mm (Height)
- Side sills: 200 mm (Thickness) x 900 mm (Height)
- Bottom sills: 200 mm (Thickness) x 600 mm (Length)

The recommended foundation type is a strip foundation. The plinths are constructed from conventional blocks or H-Blocks. For walls built above the conventional blocks foundation, the first course of H-Blocks is laid on a mortar-bedded custom-made lintel above the slab. The custom-made lintel serves as a guide rail for the blocks. For the plinth constructed with the H- block, the first course of H-Blocks is laid on a mortar-bedded custom-made lintel above the strip footing.

The blocks are laid in a conventional stretcher bond pattern with keystones placed H-Block joint centres for interlocking and braced with a steel rod. The wall joints are pointed with cement grout. The walls are left unplastered or can be plastered and finished with CemteQ plasterlite plaster with a thickness of 12 mm internally and 15 mm externally.

NB. The plastered walls are for non-category 1 buildings for energy zones 2,4,6 and 7.

The building system's window sills are custom-made; alternatively, conventional steel and aluminium window frames can be used. The door frames and doors are conventional. The roof is constructed with a concrete beam, conventional timber, or lightweight steel trusses with lightweight, heavyweight, or Agrément approved cladding.

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.

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