

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

NO. 5464

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## DEPARTMENT OF PUBLIC WORKS

## AGRÉMENT SOUTH AFRICA

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 26 June 2024, issued an Amended Agrément certificate, details of which appear in the schedule hereto.

## SCHEDULE

Agrément Certificate 2022/634 (Amended June 2024)

**Subject:** Amalooloo/MyLoo Urine Diversion and Low Volume Multi-Flush Toilet System

**Certificate holder:** Betram (Pty) Ltd

**Description:** The Amalooloo/MyLoo Urine Diversion and Low Volume Multi-Flush Toilet System is a combination of low-flush and non-water-borne toilets that comprise prefabricated construction panels and plumbing components.

The system consists of the following components:

- **A pedestal with a complete Urine Diversion System (UDS) and child safety seat.**

This pedestal system includes a liquid separation function that allows liquid to be dispersed through a dispersion field and for solid waste to be collected and dried in a pit.

- **Myloo Pedestal with a visual barrier at the bottom of the toilet pan.**

This pedestal is the same as the urine diversion but includes a visual barrier between the user and the pit. The barrier comprises a mechanical flap that remains in the closed position while the toilet is not in use. When a user sits on the toilet the flap opens allowing a free channel for defecation to pass through to the pit. The flap can also be opened by stepping on a foot pedal.

- **A Low Volume Multi-Flush Sanitation System.**

The low volume multi flush system allows for the system to be installed as either a pour flush system without the need for the Amalooloo cistern component to be fitted, or a lever flush system fitted with the incorporated Amalooloo cistern component. The low volume multi flush system allows for effective flushing performance with a flush volume of 1.0 litres or more. The pedestal is replaced by a toilet pan arrangement with a uniquely designed discharge configuration. The configuration comprises a uniform pipe length containing no water trap. To limit smells from the toilet pan, a self-closing flap is provided at the outlet of the pipe and a 110 mm vent stack pipe is provided for airflow

from the toilet pan side to the outlet of the air stack. The function of the vent is to eliminate and/or significantly reduce smells.

- **Top structure and Bottom Structure**

The system is manufactured from reinforced precast concrete slabs consisting of the following components:

- top structure with a base, roof, side panels and a door; and
- a sealed bottom structure.

The dimensions of the panels are described as follows:

- side wall panels – 1150 mm length x 990 mm height x 30 mm thickness (2 identical panels each side)
- back wall panels – 970 mm length x 990 mm height x 30 mm thickness (2 identical panels)
- roof slab – 1250 mm length x 970 mm width x 40 mm thickness
- floor slabs - 1250 mm length x 970 mm width x 40 mm thickness and
- bottom structure – 2500 mm length x 1250 mm width x 1000 mm depth.

Optional components of the system can include:

- Rainwater collection gutters fitted to the roof slabs
- Freestanding rainwater collection tank
- External hand wash basin with a tap, fed from the rainwater collection tank and
- A concrete tank stand.

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