

## DEPARTMENT OF PUBLIC WORKS

NO. 305

18 MARCH 2016

AGRÉMENT SOUTH AFRICA  
(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 02 December 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

## SCHEDULE

## Agrément Certificate 2015/494

**Name of product:** Direct Sanitation Application System

**Certificate holder:** Sanitas Advanced Technology Sanitation (Pty) Ltd

**Description:** Direct Sanitation Application Low Flush System is a one-litre low flush sanitation system, owner maintained and odourless all-terrain flushing toilet. The sanitation system components should be installed in a top structure/closet with a floor, walls and roof of material adequate for its purpose and the closet should be provided with a door to ensure privacy of occupants in accordance with the National Building Regulations, **SANS 10400-Part Q**.

It is a high-density toilet structure that is installed in areas where sewer networks cannot be constructed. The system, however, makes provision to be changed into a flushable toilet whenever a sewer network is constructed i.e. can be converted into a complete flushing toilet.

A one-litre flush is used to clear the excreta into a 30-litre liquefier tank. The excreta break up in the water and the inflow after each flush causes agitation, which helps in the liquefying of solids. As one litre of effluent enters the tank, one litre of effluent is released into the soak-away pit. Aerated microbial action then takes place, causing the waste to be broken down.

Water for the Direct Sanitation Application Low Flush System is stored in a 36-litre tank located behind the toilet wall. Rain, tap or clean river water can be used. One litre of water is used per flush to break down the effluent.

The effluent generated undergoes both aerobic and anaerobic digestion through natural bacteria and protozoa present. When the system operates under these conditions the generation of noxious gasses is limited.

The toilet is designed for a maximum of 7 people per household; any additional usage will require an additional or larger soakaway configuration.

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)  
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**PRETORIA**  
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