

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

NO. 7000

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## AGRÉMENT SOUTH AFRICA

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 29 September 2025, issued an Agrément certificate, details of which appear in the schedule hereto.

## SCHEDULE

## Agrément Certificate 2025/660

**Subject:** Bio-Separator Tank

**Certificate holder:** Buffalo Tanks (Pty) Ltd

**Description:** The Bio-Separator Tank is manufactured from 100% recycled, UV-stabilised Linear Low-Density Polyethylene (LLDPE) through a rotational moulding process. The wall thickness ranges from 6 mm to 10 mm, depending on the section of the tank, ensuring structural integrity during underground installation and preventing collapse when the tank is empty.

The tank has a total storage capacity of 1000 litres, with an integrated 100-litre anaerobic bio-filter insert. The unit dimensions are 1330 mm in length x 720 mm in width x 1500 mm in height. The assembled weight is 60 kg, making it lightweight for handling while still reinforced for underground applications.

The system consists of a sealed anaerobic digestion chamber and an anoxic bio-filter zone. The two-stage flow arrangement increases hydraulic retention time and supports reactor kinetics. The bio-filter insert establishes an oxygen-free environment with extended surface area, enabling the growth of bacterial colonies that support denitrification. An enzyme-bacteria mixture is added to accelerate the breakdown of organic matter and assist in converting soluble Biological Oxygen Demand (BOD) into biomass. Standard septic tanks of equivalent capacity typically achieve approximately 50% BOD reduction, while the Bio-Separator is designed to provide additional treatment, producing partially treated effluent that can be discharged into a soak-away system without affecting soil or groundwater quality.

The tank is fitted with a Ø110 mm inlet, a Ø50 mm outlet to soak-away, and a Ø160 mm service manhole for inspection and desludging access. The design includes structural reinforcement that allows installation without the need to fill the tank with water prior to backfilling.

The Agrément certificate contains detailed information on the system and can be accessed at <http://www.agrement.co.za>

# Gazette Notice Publication Request Form



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### SCHEDULE

Agrément Certificate 2025/661

**Subject:** Buffalo Rapid Flush Cistern

**Certificate holder:** Buffalo Tanks (Pty) Ltd

**Description:** The Buffalo Rapid Flush Cistern has a total capacity of 45 litres. The 45-litre capacity is the total capacity of the inside of the cistern tank and allows for an air gap of approximately 10 Litres above the water level i.e the usable cistern capacity is 35 litres. It comprises a super flush interruptible demand outlet valve connected to a toilet bowl, and a built-in hand-wash facility with a spring-loaded tap pillar. The high-volume storage allows for multiple flushes in quick succession, and the duration of the pull-to-flush mechanism dictates either a short flush with minimal water use (when the toilet has just urine) or a slightly longer flush when the toilet has solid human waste.

The hand-wash facility (basin) is built into the cistern tank and fitted with a demand tap to prevent users from leaving the tap open, ensuring no water wastage. The Buffalo Rapid Flush Cistern component is designed to be attached to the toilet's top structure. The cistern stores water and flushes the toilet after each use. The hand-wash basin drains into the holding tank and is used to flush the toilet.

The Buffalo Rapid Flush Cistern dimensions are as follows:

- 600 mm length x 200 mm width x 420 mm height.

The Hand-Wash facility (basin) dimensions are as follows:

- 270 mm length x 170 mm width x 60 mm height.

The Buffalo Rapid Flush Cistern can be used with any approved top structure.

# Gazette Notice Publication Request Form



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)

Agrément South Africa, P O Box 1022, Garsfontein, 0042



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## SCHEDULE

Agrément Certificate 2025/662

**Subject:** Buffalo Toilet Hut

**Certificate holder:** Buffalo Tanks (Pty) Ltd

**Description:** Buffalo Toilet Hut is a portable Linear Low-Density Polyethylene (LLDPE) water-borne toilet hut fitted with all plumbing components. Its internal dimensions are 1165 mm long x 1080 mm wide x 2045 mm high, and its total weight is 80 Kg. The Buffalo Toilet Hut is used as a permanent top structure, and is compatible with full-waterborne, low-flush or dry-sanitation toilet systems.

The toilet components include the following:

**Component 1: Moulded flooring base.**

The floor section is a moulded ribbed wafer that supports the whole structure. It raises the toilet structure to 120 mm above the ground and provides a robust floor for the toilet itself.

**Component 2: Buffalo toilet hut/Top structure.**

The toilet hut comprises the side and back walls and the front door frame, which are moulded as a single unit in a controlled rotomould oven from LLDPE. The unit has recesses and holes to attach the other components of the hut.

**Component 3: LLDPE Domed roof.**

The LLDPE domed roof is translucent in colour and allows maximum light into the cubicle. The underside of the roof has 10 x 35 mm vent holes on each of the two sides. These vent holes match the recesses in the walls to allow fresh air into the cubicle.

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## Component 4: Polymer door.

The Polymer door is a white polymer-moulded door strengthened with ribs. It has a top and lower spigot that fits into the floor and roof sections for a swivel door mechanism. The openings and slots are moulded into the door for latching and locking mechanisms. The door is fitted with a unique inside closing and locking latch mechanism.

The Agrément certificate contains detailed information on the product and can be accessed at <http://www.agrement.co.za>.

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# Gazette Notice



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Notice is hereby given that Agrément South Africa has, with effect from 26 September 2025, issued an Agrément certificate, details of which appear in the schedule hereto.

## SCHEDULE

Agrément Certificate 2025/663

**Subject:** Super Spunsulation Roofing Radiant Barrier

**Certificate holder:** Spunbond Holdings (Pty) Ltd. t/a Spunchem International

**Description:** Super Spunsulation Roofing Radiant Barrier is a 135 gsm, double-sided foil underlay designed for use as a radiant barrier thermal insulation material in roofing applications. The product is constructed from six distinct layers, consisting of a central Kraft paper core reinforced with a scrim mesh, which is bonded on both sides using a fire-resistant (FR) adhesive tie layer, and laminated with aluminium foil on both the top and bottom surfaces.

The product has been classified with a Class B fire rating, indicating good fire performance characteristics suitable for building applications requiring enhanced fire safety. It is supplied in rolls measuring 1500 mm in width and 30 meters in length.

It is suitable for use in all tiled or metal roof residential (single- and double-storey) and medium risk industrial/ commercial buildings for conventional or Agrément approved roof construction, in all regions of South Africa for applicable occupancy classification (SANS 10400: Table 1 of Regulations A (20) (1)). When used in a conventional manner it can:

- reduce air movement between tiles, since the membrane can contribute to maintaining balanced air pressure on both sides of the roof tiles,
- reduce ingress to the roof space of wind-driven rain and dust, and
- act as a radiant barrier and thermal.

The membrane contributes to thermal resistance and moisture management, while providing a durable radiant heat barrier that supports compliance with energy efficiency and condensation control requirements accordance with SANS 10400-XA and SANS 204 where applicable.

This certificate and Agrément South Africa's assessment apply only to the Super Spunsulation Roofing Radiant Barrier manufactured by Spunbond Holdings (Pty) Ltd t/a Spunchem International. It is installed in accordance with the certificate holder's installation manual, as described and illustrated in this certificate, and where the terms and conditions of certification are complied with.

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)

Agrément South Africa, PO Box 1022, GARSFONTEIN, 0042

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**SCHEDULE**

Agrément Certificate 2025/664

**Subject:** Essa Tile-lay Roof Undertile Membrane

**Certificate holder:** Essa Plastics cc

**Description:** Essa Tile-lay Roof Undertile Membrane comprises a 60-gsm nonwoven membrane coated with a 25-micrometer polyolefin film to make it waterproof, which is then used as an under-tile membrane. The membrane weighs 85 to 90 gsm and is supplied in rolls of 1.25 to 1.50 m widths and 26 to 30 m lengths.

The Essa Tile-Lay Roof Undertile Membrane is suitable for installation in all tiled-roof buildings with timber, light-weight steel and aluminium or Agrément-approved roof construction. It can be used in all regions of South Africa for all types of occupancy classification (**SANS 10400:Table 1 of regulation A (20) (1)**). When used in the conventional manner it can:

- reduce air movement between tiles, since the membrane can contribute to maintaining a balanced air pressure on both sides of the roof tiles, and
- reduce ingress to the roof space of wind-driven rain and dust.

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 1022, GARSFONTEIN, 0042, Pretoria, South Africa

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#### SCHEDULE

##### Agrément Certificate 2025/659

**Subject:** Actopave Ultra Thin Friction Course

**Certificate holder:** Actop Asphalt (Pty) Ltd

**Description:** This interim certificate covers the use of Actopave Ultra-Thin Friction Course (UTFC) when used as a wearing or surfacing pavement layer for light and heavy traffic loading situations on new or rehabilitated pavement in all areas of South Africa.

The product application is for the road category as follows:

- 1A, which means:
  - the product is suitable for use in lanes with a speed limit <60 km/h and gradients  $\geq 6\%$  and
  - the Annual Average Daily Truck Traffic (AADTT) is between 2 000 -7000 heavy vehicles.

- 2B, which means that:
  - the product is suitable for use in lanes with a speed limit  $>60$  km/h and gradients  $\leq 6\%$  and
  - the Annual Average Daily Truck Traffic (AADTT) is between 2 000 -7000 heavy vehicles.
  -

**NB. This certificate is issued as an interim certificate for trial sections only.**

Actopave UTFC is a bituminous surfacing system with a nominal compacted thickness of 16 mm to 22 mm. The product is used on road pavements as a wearing course. It has been designed specifically for application as a thin surfacing or re-sealing layer.

Actopave UTFC is a blend of polymer modified bituminous binder, with graded stone of nominal size of 10 mm, crusher dust/sand, and filler. The UTFC is manufactured in a hot-mix asphalt plant and applied by a self priming paver.

The mix design, manufacturing and application of the product is to be strictly controlled and under the supervision of a registered professional engineer and approved by the manufacturer's Technical Manager. The mix proportions may vary slightly from area to area, depending on the aggregate available in the area. Aggregates must comply with the latest requirements of the Committee of Transport Officials, **COTO** standard specification.

The Agrément certificate contains detailed information on the system and can be accessed at <http://www.agrement.co.za>

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