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Government Printing Works

Notice submission deadlines

Government Printing Works has over the last few months implemented rules for completing and submitting the electronic Adobe Forms when you, the customer, submit your notice request.

In line with these business rules, GPW has revised the notice submission deadlines for all gazettes. Please refer to the GPW website www.gpwonline.co.za to familiarise yourself with the new deadlines.

CANCELLATIONS

Don't forget!

Cancellation of notice submissions are accepted by GPW according to the deadlines stated in the table above.

Non-compliance to these deadlines will result in your request being failed. **Please pay special attention to the different deadlines for each gazette.**

Please note that any notices cancelled after the cancellation deadline will be published and charged at full cost.

Requests for cancellation must be sent by the original sender of the notice and must be accompanied by the relevant notice reference number (N-) in the email body.

AMENDMENTS TO NOTICES

take note!

With effect from 01 October, GPW will not longer accept amendments to notices. The cancellation process will need to be followed and a new notice submitted thereafter for the next available publication date.

CUSTOMER INQUIRIES



Many of our customers request immediate feedback/confirmation of notice placement in the gazette from our Contact Centre once they have submitted their notice – While GPW deems it one of their highest priorities and responsibilities to provide customers with this requested feedback and the best service at all times, we are only able to do so once we have started processing your notice submission.

GPW has a **2-working day turnaround time for processing notices** received according to the business rules and deadline submissions.

Please keep this in mind when making inquiries about your notice submission at the Contact Centre.

PROOF OF PAYMENTS



GPW reminds you that all notice submissions **MUST** be submitted with an accompanying proof of payment (PoP) or purchase order (PO). If any PoP's or PO's are received without a notice submission, it will be failed and your notice will not be processed.

When submitting your notice request to submit.egazette@gpw.gov.za, please ensure that a purchase order (GPW Account customer) or proof of payment (non-GPW Account customer) is included with your notice submission. All documentation relating to the notice submission must be in a single email.

A reminder that documents must be attached separately in your email to GPW. (In other words, your email should have an Adobe Form plus proof of payment/purchase order – 2 separate attachments – where notice content is applicable, it should also be a 3rd separate attachment).

REMINDER OF THE GPW BUSINESS RULES

- Single notice, single email – with proof of payment or purchase order.
- All documents must be attached separately in your email to GPW.
- 1 notice = 1 form, i.e. each notice must be on a separate form
- Please submit your notice **ONLY ONCE**.
- Requests for information, quotations and inquiries must be sent to the Contact Centre **ONLY**.
- The notice information that you send us on the form is what we publish. Please do not put any instructions in the email body.

Contents

No.		Gazette No.	Page No.
GOVERNMENT NOTICES • GOEWERMENTSKENNISGEWINGS			
Public Works, Department of/ Openbare Werke, Departement van			
283	Agrément South Africa: Approval of innovative construction products and systems: Geoplast Modulo Foundation System	39825	5
284	Agrément South Africa: Sutherland Tex Coating System	39825	6
285	Agrément South Africa: Approval of innovative construction products and systems: Geopanel Formwork System .	39825	7
286	Agrément South Africa: Approval of innovative construction products and systems: Modular Fibre Reinforced Concrete	39825	8
287	Agrément South Africa: Approval of innovative construction products and systems: Blast Building System.....	39825	9
288	Agrément South Africa: Approval of innovative construction products and systems: Sterling Building System.....	39825	11
289	Agrément South Africa: Approval of innovative construction products and systems: Shouguang Prefabricated Building System	39825	12
290	Agrément South Africa: Approval of innovative construction products and systems: ITAS Access Control Doors ...	39825	13
291	Agrément South Africa: Approval of innovative construction products and systems: TCE Plastic Water Storage Tanks	39825	14
292	Agrément South Africa: Approval of innovative construction products and systems: Jets Vacuum Sanitation System	39825	15
293	Agrément South Africa: Approval of innovative construction products and systems: Vela Steel Building System....	39825	17
294	Agrément South Africa: Approval of innovative construction products and systems: Abacus Ezespace Building System	39825	18
295	Agrément South Africa: Approval of innovative construction products and systems: Khusela Emanzini Coating System	39825	19
296	Agrément South Africa: Approval of innovative construction products and systems: Kwikspace Modular Building System	39825	20
297	Agrément South Africa: Approval of innovative construction products and systems: Ikhaya Future House Double – and Multi – Storey Building Systems	39825	21
298	Agrément South Africa: Approval of innovative construction products and systems: Polyform Building System.....	39825	23
299	Agrément South Africa: Approval of innovative construction products and systems: Sutherland Sheen Coating System	39825	24
300	Agrément South Africa: Approval of innovative construction products and systems: Boen EcoSolutions Building System	39825	25
301	Agrément South Africa: Approval of innovative construction products and systems: Besta Board Building System	39825	27
302	Agrément South Africa: Approval of innovative construction products and systems: Makoro Water and Liquid Storage Tanks.....	39825	29
303	Agrément South Africa: Approval of innovative construction products and systems: Selcrete™ Building System ...	39825	30
304	Agrément South Africa: Approval of innovative construction products and systems: 4-Everframe Wood Plastic Composite Door Frames	39825	31
305	Agrément South Africa: Approval of innovative construction products and systems: Direct Sanitation Application System	39825	32
306	Agrément South Africa: Approval of innovative construction products and systems: Pro-Phalt SA (Pty) Ltd	39825	34
307	Agrément South Africa: Approval of innovative construction products and systems: ABOD House Building System	39825	35
308	Agrément South Africa: Approval of innovative construction products and systems: Ecobond: Non-Traditional Soil Stabiliser	39825	36
309	Agrément South Africa: Approval of innovative construction products and systems: Permanent Axle Traffic Monitoring System with WYPROS I WIM	39825	37
310	Agrément South Africa: Approval of innovative construction products and systems: Mikros Dual Stick-on Loop Traf-		

	fic Monitoring System.....	39825	38
311	Agrément South Africa: Approval of innovative construction products and systems: Permanent Axle Traffic Monitoring System with PICOTEL8.....	39825	39
312	Agrément South Africa: Approval of innovative construction products and systems: FSM FR Polycore Building System	39825	40
313	Agrément South Africa: Approval of innovative construction products and systems: Permanent Dual Traffic Monitoring System with TELOOP8.....	39825	42
314	Agrément South Africa: Approval of innovative construction products and systems: Ventilated Improved Pit and Urine Diversion Toilet System	39825	43
315	Agrément South Africa: Approval of innovative construction products and systems: Everite ABT Building System.	39825	44
316	Agrément South Africa: Approval of innovative construction products and systems: Permanent Dual Traffic Monitoring System with TELOOP8--F.....	39825	45
317	Agrément South Africa: Approval of innovative construction products and systems: High Density Polymer Enviro-door.....	39825	46
318	Agrément South Africa: Approval of innovative construction products and systems: Power Profile Building System	39825	47
319	Agrément South Africa: Approval of innovative construction products and systems: TES Non--Intrusive Loop Traffic Monitoring System	39825	48
320	Agrément South Africa: Approval of innovative construction products and systems: Permanent Axle Traffic Monitoring System with AUTOPIZO8.....	39825	49
321	Agrément South Africa: Approval of innovative construction products and systems: Green Crete Building System	39825	50

GOVERNMENT NOTICES • GOEWERMENTSKENNISGEWINGS

DEPARTMENT OF PUBLIC WORKS**NO. 283****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 29 July 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2015/485

Name of product: Geoplast Modulo Foundation System**Certificate holder:** Geoplast South Africa (Pty) Ltd**Description:** The Geoplast Modulo Foundation System is reinforced concrete floor slab with permanent formwork (modulo). The slab has edge and centre beams under load bearing walls to support loads and increase its stiffness as per project and site requirements.

The permanent formwork creates a system of pillars and arches which supports the ground floor slab. The system is designed such that the slab is supported by small columns formed at the formwork legs from the ground which creates voids beneath the slab. The design, including the thickness of concrete topping, beams and reinforcement sizes are always the responsibility of an approved competent person.

The foundations are ventilated by creating openings of between 80 to 120 mm Ø using PVC or metallic pipes.

The permanent formwork is made from recycled polypropylene (PP) and available in dimensions of 500 x 500 mm, 580 x 580 mm and 710 x 710 mm. The heights range from 300 mm to 700 mm.

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 395
PRETORIA, 0001

DEPARTMENT OF PUBLIC WORKS

NO. 284

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 06 August 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2015/481

Name of product: Sutherland Tex Coating System

Certificate holder: O'Grady Coatings (Pty) Ltd

Description: The Sutherland Tex Coating System is an exterior two-coat waterproofing marble coating system for use in all regions of South Africa for all types of occupancy classifications (**SANS 10400: Table 1 of Regulations A (20) (1)**), on sound, suitably prepared, external and internal substrates as follows:

- sand-cement plaster
- sand-cement bagged finishes
- cast *in-situ* concrete/precast concrete
- surfaces with unsightly hairline cracks
- the above surfaces previously painted with PVA paint and
- prepared gypsum and fibre cement boards.

Sutherland Tex Coating System is available in standard white and pastel colours. A range of colours can be achieved with an addition of pastel tint bases and colourants. The paint is packaged in 5 litre and 20 litre containers. It is thoroughly stirred on site before application. It is applied using a brush or rollers and in accordance with the manufacturer's instructions.

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 395
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DEPARTMENT OF PUBLIC WORKS

NO. 285

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 29 July 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2015/484

Name of product: GeoPanel Formwork System

Certificate holder: GeoPlast South Africa (Pty) Ltd

Description: GeoPanel Formwork System is a temporary shuttering system for the construction of concrete walls, columns and beams. It consists of a series of various sized panels joined together by the Geoplast fast-lock nylon handle. The formwork system is made of acrylonitrile-butadiene-styrene (ABS) polymer and other additives (pigments, polymer additives, antioxidants, and colourants).

The GeoPanel Formwork System range includes the following products:

- Geopanel: for reinforced cast-in-situ concrete walls and solid reinforced concrete slabs
- Geopanel star: special formwork for reinforced concrete columns in rectangular panels. This formwork is interlockable and adjustable, resulting in different sizes of square and rectangular columns using the same panels
- Geotub: for round reinforced cast-in-situ concrete columns
- Geotub panel: for square and rectangular reinforced cast-in-situ concrete columns, panels in predetermined sizes with chamfered corners

NB. Assembly and dismantling of GeoPanel Formwork System is always the responsibility of a registered competent engineer.

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 395
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DEPARTMENT OF PUBLIC WORKS

NO. 286

18 MARCH 2016

AGREMENT SOUTH AFRICA

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SCHEDULE

Agrément Certificate 2015/478

Name of product: Modular Fibre Reinforced Concrete

Certificate holder: Malopo Construction SA

Description: Modular Fibre Reinforced Concrete Building System is a fibre reinforced concrete structure, with a density of 900 kg/m³ to 2410 kg/m³.

The walls are constructed by erecting pre-oiled temporary shutters taking into account the wall width (100, 150, 180, 220 or 250 mm) and height (2400, 2700 or 3000 mm). The internal face of the walls are further clad with a 40 mm thick EPS insulation sheet and a 6 mm thick fibre cement board.

The light-weight steel re-usable shutters are pre-designed according to architectural design of the structure. The shutters are manufactured to include corner, window and door details.

Foundation and floor slabs are conventional concrete. The floor slab has starter bars (vertical steel reinforcements) at 300 centres, 100 mm deep and 300 mm high for anchoring the wall to the footing. The floor slab must be at least 150 mm above the normal ground level at any point around the building. All steel reinforcement bars (size and spacing) are always the responsibility of a registered competent professional engineer.

The roof is constructed of conventional standard light-weight steel or timber trusses, and clad with metal sheeting, concrete roof tiles or Agrément approved cladding.

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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P O Box 395
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DEPARTMENT OF PUBLIC WORKS

NO. 287

18 MARCH 2016

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SCHEDULE

Agrément Certificate 2010/372 (amended July 2015)

Name of product: Blast Building System

Certificate holder: Didutex (Pty) Ltd

Description: The Blast Building System foundations consist of conventional concrete surface bed foundation with thickened edge beams and thickening under the internal load bearing walls. Surface bed is power floated to a smooth finish or screed at a later stage.

The structural frame comprises 90 mm x 40 mm x 0.6 mm zincalume base rails, 90 mm x 40 mm x 10 mm x 0.6 mm zincalume lipped channel vertical studs at 600 mm centres and 90 mm x 40 mm x 0.6 mm zincalume ring beams. Horizontal reinforcing bars, 8mm diameter, are centrally placed passing through the vertical studs and spaced at 1.2 m centres.

Internal walls are constructed from zincalume base rails, vertical studs and ring beam capping (no horizontal reinforcing) of similar dimensions as external wall and clad both sides with 10 mm thick magboard. Internal load bearing walls are constructed as external walls.

The base rails are anchored to the surface bed with 10 mm diameter expansion bolts with large diameter washes at 800mm centres. Bitumen 2 mm thick forms the DPC below the base rail. The external base rail overlaps the edge of the foundation by 10mm.

Vertical studs, base rail and ring beams etc are secured to one another using three self drilling tapping tek screws per side.

Galvanised lipped channel roof beam 150 mm or 100 mm x 50 mm x 10 mm x 2 mm thick span from gable to gable and can be supported on internal cross walls. Roof beams are anchored to ring beams with 32 mm x 1.6 mm galvanised mild steel straps taken over the beam and bolted to the ring beam on either side. Roof construction can also be conventional timber construction spanning from eaves to eaves. Roof cladding can be either light or heavy weight.

All external walls are internally clad with 6mm thick magnesium oxide boards (magboard) secured at 300 mm centres to the structural frame. A 2 mm wide gap is left between boards that is sealed with an acrylic sealant before painting. Internal walls are insulated with 100 mm thick fibreglass blanket wedged between the magboard linings.

Window and door openings are lined with zincalume lipped channels, Timber or

“clisco” type frames are secured in position with foamed polyurethane.

20 MPa concrete (1: 5 mix with 750 micron to 10 mm graded aggregate) is spray applied to external walls in two layers filling the cavities between structural members and floated to a smooth finish. Walls externally are always rendered with 12 mm to 15 mm thick plaster. Services are conventional.

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

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DEPARTMENT OF PUBLIC WORKS

NO. 288

18 MARCH 2016

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SCHEDULE

Agrément Certificate 2014/463 (Amended July 2015)

Name of product: Sterling Building System**Certificate holder:** Sanjo Fabtech Sterling (Pty) Ltd**Description:** The Sterling Building System is for single- and double-storey structures. Foundations are the conventional cast *in-situ* concrete surface beds with thickened edge beams. They are always the responsibility of a professional registered competent engineer.

External wall panels are 158 mm thick and comprise two skins of 6 mm Fibre cement boards which are separated by 100 mm x 100 mm plastic spacers creating a 100 mm thick cavity. The cavity is filled with concrete with a strength ranging from 10-25 MPa. The internal face of the panel is further clad with a 40 mm thick EPS insulation sheet and a 6 mm thick Fibre cement board.

The internal wall panels are 112 mm thick and similar to external wall panels but are without the 40 mm thick EPS insulation.

The dividing walls between the buildings comprise 2 internal walls put together. The roof structure consists of timber or steel trusses with heavy- or light-weight cladding. A professional registered competent engineer must always design the roof to provide support to the gable wall as well as any additional bracing between trusses as required.

All products and installations are conventional.

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

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DEPARTMENT OF PUBLIC WORKS

NO. 289

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 06 August 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2015/486

Name of product: Shouguang Prefabricated Building System

Certificate holder: Shouguang Sunrise Construction Engineering Co.,Ltd

Description: Shouguang Prefabricated Building System is a single storey structure that utilises factory produced wall and roof panels.

The design and approval of the foundation are always the responsibility of a registered professional competent engineer. The steel frames conforms to the requirement of **SANS 517** and are generally 2800 mm high and 600 mm wide and manufactured from 78 mm x 1.2 mm thick hot-dip galvanised steel that conforms to the requirement of **SANS ISO 4998**, **SANS 121/ISO 1461** and **SANS ISO 3575**.

The external and internal wall panels are 2800 mm x 600 mm x 90 mm thick with tongue and groove steel edges consisting of 6 mm fibre cement boards on both sides encapsulating foam cement with a density of 517 kg/m³.

The roof structures are constructed from medium gauge galvanised steel trusses that are designed and erected in accordance with **SANS 517** and are the responsibility of a professional registered competent engineer. Trusses are clad with roof panels made of 70 mm thick fibre cement board encapsulating foam cement with light- or medium-weight roof cladding on top.

The panels are delivered on site with factory-fitted window and door frames (steel, aluminium or Agrément approved) and are purposely made to suit the design of the building system.

Plumbing and electrical conduits can be pre-fixed or surface mounted onto the composite panels.

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

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DEPARTMENT OF PUBLIC WORKS**NO. 290****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 29 July 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2015/479

Name of product: ITAS Access Control Doors**Certificate holder:** I.T.A Security Co (Pty) Ltd**Description:** ITAS Access Control Doors are security doors that are fabricated in a factory using mainly steel, aluminium and glass. The doors include a variety of revolving, mantrap, bandit and anti-bandit and are:

- ITAS two and four door public mantrap doors
- ITAS revolving doors
- ITAS combo doors
- ITAS small-foot mantrap doors
- ITAS big-foot mantrap doors
- ITAS Anti-bandit electric dead bolt locking exit doors with fire door capabilities
- ITAS Anti-bandit magnetic locking emergency exit doors with fire door capabilities
- ITAS two combo door with adjoining hinged sliding door.

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 395
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DEPARTMENT OF PUBLIC WORKS**NO. 291****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 29 July 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2015/489

Name of product: TCE Plastic Water Storage Tanks**Certificate holder:** Tariosync (Pty) Ltd t/a TCE Plastics

Description: TCE Plastic Water Storage Tanks are manufactured through rotational moulding process. This method is well known and is a suitable and reliable method of manufacturing water storage tanks. The raw materials used in the manufacture are the HR 486 grade of Low Linear Density Polyethylene (LLDPE) polymer as well as the H359 polymer supplied by SASOL. The physical and chemical properties are specified in the SASOL Polymer data sheet.

Roto-moulding manufactured tanks from these polymers are expected to be physically strong and the water stored in such tanks when consumed has no adverse effects on humans or animals. The tanks are available in different liquid capacities, shapes and different colours and 2500 litres being the largest.

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

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DEPARTMENT OF PUBLIC WORKS

NO. 292

18 MARCH 2016

AGRÉMENT SOUTH AFRICA
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Notice is hereby given that Agrément South Africa has, with effect from 06 August 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2015/491

Name of product: Jets Vacuum Sanitation System

Certificate holder: SA Biotech (Pty) Ltd

Description: Jets Vacuum Sanitation System is a vacuum sewage collection and transport system designed for single or multiple flushing of toilets. The system is manufactured in Norway and supplied by SA Biotech (Pty) Ltd, based in Benmore, Johannesburg.

The vacuum toilet system uses air, as opposed to water for the transport of sewage. A Jets Vacuumator™ evacuates air from the drain pipes automatically upon activation of the activator button. A valve opens in the toilet, and the difference in air pressure that results causes the sewage to be flushed. Jets Vacuumator™ shreds the sewage whilst pumping it towards a collection tank, a BIOTank or to the sewage mains. Potable water (1 litre) is automatically fed to the toilet as part of the cycle, ensuring good hygiene with minimum water consumption.

The Jets Vacuumator™ is the main component of the vacuum system. The vacuumator is a viscous monoblock pump fitted with blades. It extracts the sewage and then shreds it into tiny particles all in one operation. The vacuumator handles air and liquids as well, combining both elements at once. Thus it can be used to produce a vacuum, or for suction and pumping of liquids.

A grey water tank is used in the system where the drains from sinks, showers etc. are connected to the vacuum system. The waste water is fed to the tank via a gravity feed system. The tank is fitted with a drain valve connected to the vacuum system and when full, it empties automatically via the vacuumator.

There are two types of Jets Vacuum Sanitation Systems namely:

VOD (Vacuum on Demand)

A VOD™ system creates vacuum in the piping only when a toilet is flushed. A maximum of four toilets can be connected to this system (up to 10 with add-on equipment). The maximum lift height from toilets on the vacuum side is 800 mm and 2000 mm (10NT model) or 5000 mm (15NT model) on the pressure side

(according to sea level).

CVS (Constant Vacuum System)

A CVS™ system maintains a constant, pre-set vacuum level in the piping system.

The maximum lift height from toilets in the CVS™ system is 3000 mm on the vacuum side and 5000 mm on the pressure side (according to sea level).

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

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Notice is hereby given that Agrément South Africa has, with effect from 29 July 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2011/383 (Amended July 2015)

Name of product: Vela Steel Building System

Certificate holder: Motlekar Roof and Tile (Pty) Ltd

Description: The Vela Steel Building System is based on the Structural Insulated Panels (SIP) incorporating a steel frame which enhances the structural integrity of the system. The steel frame is designed in accordance with the requirements of **SANS 517**. The composite wall panels comprise 10 mm autoclaved magnesium oxide or a 9 mm Nutek cellulose fibre cement boards encapsulating polyurethane core and polystyrene blanks between panel cavities. The walls are finished with armour coat waterproof paint. Where required, the panels are delivered on site with factory fitted window and door frames.

The foundation and floor slab are conventional and are always the responsibility of a competent person. The roof is constructed of standard lightweight steel trusses clad with metal sheeting, concrete roof tiles or Agrément approved cladding. The plumbing and electrical conduits are pre-fixed into the composite panels.

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

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DEPARTMENT OF PUBLIC WORKS

NO. 294

18 MARCH 2016

AGRÉMENT SOUTH AFRICA
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Notice is hereby given that Agrément South Africa has, with effect from 06 August 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2015/490

Name of product: Abacus Ezespace Building System

Certificate holder: Waco Africa (Pty) Ltd t/a Abacus Space Solutions

Description: Abacus EzeeSpace Building System is made of a standard 6 100 mm long x 3 050 mm wide x 2 850 mm high exoskeleton steel frame. The frame comprises a steel exoskeleton with four corner posts. 1200 mm wide x 2 480 mm high x 73 mm thick panels are slotted between the corner posts.

The foundation and floor slab are conventional and can either be raft or suspended steel floor. Steel must either be hot-dip galvanised in accordance with **SANS 121** or powder coated. The design, erection and approval of the foundation is the responsibility of an approved competent person.

The external wall panels consist of 60 mm thick Expanded Polystyrene (EPS) core of 15 kg/m³ density. The EPS core is clad by 0.58 mm chromadek on both sides. The external wall is lined with a 12 mm Superboard on its internal face. The internal wall is constructed using a 40 mm thick EPS core clad with 12 mm Superboards on both sides. Panel joints comprise tongue and groove sections. The roof structure is constructed from light gauge galvanised steel trusses that are designed and erected in accordance with **SANS 517** and clad with light- or heavy-weight cladding. The roof structure is the responsibility of an approved competent person.

Door frames are made from aluminium or powder coated steel and window frames are made from aluminium. Both window and door frames are factory fitted onto the panels during manufacturing stage.

All services are conventional and electrical conduits are either surface mounted or pre-drilled into the panels during manufacturing. Services must be specified and installed in accordance with good building practice

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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DEPARTMENT OF PUBLIC WORKS

NO. 295

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 2006/322 (Amended December 2015)

Name of product: Khusela Emanzini Coating System

Certificate holder: Ultraline (Pty) Ltd

Description: The Khusela Emanzini Coating System is a two-coat application for use in all areas of South Africa on sound, suitably prepared external and internal wall surfaces as follows:

- sand-cement plaster
- sand-cement bagged finishes
- the above surfaces previously painted with PVA paint.

The Khusela Emanzini Coating System is a ready-to-use, acrylic-based and fibre-reinforced wall coating. It is available in ten different colours. It is packaged in 5 and 20 litre containers. It is thoroughly stirred on site before application and at regular intervals to prevent settlement. It is applied using a 20 cm block brush or a sheep-skin roller.

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 395
PRETORIA
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DEPARTMENT OF PUBLIC WORKS**NO. 296****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 06 August 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2015/487

Name of product: Kwikspace Modular Building System

Certificate holder: Kwikspace Modular Building System (Pty) Ltd

Description: Kwikspace Modular Building System is a single storey structure that utilises factory produced wall and roof panels.

The design and approval of the foundation are always the responsibility of a registered professional competent engineer. Steel must always be hot-dip galvanised in accordance with **SANS 121/ISO 1461**.

The external wall panels are typically 2400 mm x 1160 mm x 40 mm thick with tongue and groove edges consisting of two skins. An outer skin of 0.47 mm galvanised chromadek sheeting encapsulating polyurethane foam with a density of 36 kg/m³ and a 12 mm inner skin of magnesium oxide board (MgO).

Internal walls are made of the same material as the external walls excluding the MgO board with back to back configuration with no airspace between the wall panels.

Roof panels are made of 40 mm thick expanded polystyrene sandwiched between 0.47 mm chromadek and galvanised IBR roof sheet.

The panels are delivered on site with factory-fitted window and door frames (steel, aluminium or Agrément approved) and are purposely made to suite the design of the building system.

Plumbing and electrical conduits can be pre-fixed or surface mounted onto the composite panels.

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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DEPARTMENT OF PUBLIC WORKS

NO. 297

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 06 August 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2008/347 (Amended August 2015)

Name of product: Ikhaya Future House Double – and Multi – Storey Building Systems

Certificate holder: Ikhaya Futurehouse Systems (Pty) Ltd

Description: The Ikhaya Future Double- and Multi- Storey Building System buildings are double- and multi-storey (up to ten storeys as infill panel design prepared by professional engineer) buildings where the manufacture of wall panels and erection of buildings are under the control of a professional engineer or approved competent person who will:

- ensure that wall panel manufacturing standards are maintained
- ensure the integrity of the entire building
- adhere to the requirements of this certificate

The Ikhaya Future House Double- and Multi-Storey Building System utilises factory produced wall panels, Future House expanded polystyrene (EPS) first floor slab and conventional timber roof construction.

Ground floor wall panels comprise two cores of 40 mm thick EPS with a density of 16 kg/m³, with a minimum spacing of 80 mm apart forming a cavity that is filled with (reinforced) concrete. The first floor slab is the Future House expanded polystyrene coffered flooring system to engineer's specification. Wall panels are corrugated and are 2.4 m high x 1.2 m wide. Galvanised weldmesh to both sides of the EPS is electro-welded to galvanised wire ties passing through the EPS core.

External corner and T-wall junctions are reinforced with Y6 drilled anchor reinforcing bars at 300 mm centres, passing through the EPS core with the legs on either side of the junction wall.

Internal wall junctions are reinforced with L-shaped strips of weldmesh tied to the wall panel weldmesh.

A reinforced concrete ring beam is cast at eaves level to all external eaves and gable walls.

Wall panels are finished with 35 mm thick spray applied (Gunite) structural plaster at the valley deepest point (15 MPa) to both sides of the EPS core and 20 mm at the galvanised weldmesh (cement and fine aggregates comply with the relevant **SANS** specifications).

Foundations and surface bed are conventional and designed by a professional

engineer or approved competent person.

Roof construction is conventional timber or light-weight steel trusses with light- or heavy-weight roofing coverings. Insulated ceilings are always installed.

Windows, doors and services are conventional.

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

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DEPARTMENT OF PUBLIC WORKS

NO. 298

18 MARCH 2016

AGRÉMENT SOUTH AFRICA
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Notice is hereby given that Agrément South Africa has, with effect from 29 July 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2015/488

Name of product: Polyform Building System

Certificate holder: Polyform South Africa

Description: Polyform Building System utilises factory produced wall panels. The design and approval of the foundation are always the responsibility of approved competent person.

The external wall panel consists of 2800 mm x 250 mm x 105 mm thick expanded polystyrene (EPS) modules with a density of 12 kg/m³, forming a central core of 100 mm x 75 mm x 80 mm which is filled with (reinforced) concrete of 25 MPa. The modules are finished with 15 mm thick plaster both sides. The wall panels have an overall thickness of 135 mm.

Internal walls are 2800 mm x 250 mm x 100 mm with same composition as the external walls with a central cavity of 60 mm x 50 mm.

The roof comprises conventional timber trusses with light- or heavy-weight cladding and insulated with 80 mm thick rigid EPS with density of 15 kg/m³ in between the trusses, following the slope of the rafters.

Window and door frames are fixed on site into openings after the erection of the wall panels.

Plumbing and electrical conduits can be pre-fixed or surface mounted onto the wall panels.

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

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DEPARTMENT OF PUBLIC WORKS

NO. 299

18 MARCH 2016

AGRÉMENT SOUTH AFRICA
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Notice is hereby given that Agrément South Africa has, with effect from 06 August 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2015/480

Name of product: Sutherland Sheen Coating System

Certificate holder: O'Grady Coatings (Pty) Ltd

Description: The Sutherland Sheen Coating System is an interior and exterior two-coat application waterproofing acrylic emulsion paint for use in all regions of South Africa for all types of occupancy classifications (**SANS 10400: Table 1 of Regulations A (20) (1)**), on sound, suitably prepared, external and internal substrates as follows:

- sand-cement plaster
- sand-cement bagged finishes
- cast *in-situ* concrete/precast concrete
- the above surfaces previously painted with PVA paint and
- prepared gypsum and fibre cement boards.

The Sutherland Sheen Coating System is available in white and standard colours. The paint is packaged in 5 litre and 20 litre containers. It is thoroughly stirred on site before application. It is applied using a brush or roller according to manufacturer's instructions.

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

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DEPARTMENT OF PUBLIC WORKS

NO. 300

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 29 July 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2015/483

Name of product: Boen EcoSolutions Building System

Certificate holder: EcoSolutions (Pty) Ltd

Description: Boen EcoSolutions Building System is constructed with prefabricated components that are assembled on site.

Boen EcoSolutions Building System utilizes conventional concrete foundations and a 100 mm thick surface bed which are always the responsibility of a registered competent engineer.

The building structure is made up of a single layer of a light-weight galvanized steel frame with strip footings. The steel studs are manufactured from hot-dipped steel that complies with the requirements of **SANS/ISO 3575** or **SANS/ISO 4998**, and has a coating equivalent in corrosion resistance and robustness to galvanizing (Z275). The light-weight steel galvanized steel frame has minimum yield strength of 300 MPa. The side flashing edges are connected using self-tapping steel screws.

The exterior wall panels are 102 mm thick comprising an 82 mm thick flame-retardant honeycomb paper core (62 kg/m³) encapsulated by a 10 mm fibre cement board on either side. The interior wall panels are 64 mm thick comprising a 52 mm thick flame-retardant honeycomb paper core (62 kg/m³) encapsulated by a 6 mm fibre cement board on either side. All panel joints are reinforced with 1.5 mm thick galvanized U-channels. The U-channels are inserted between the joints and are fastened using countersunk self-tapping steel screws at 200 mm centres. Exterior and interior wall panels are plastered and painted with a waterproof coating.

Roofs are doubled pitched and comprise the same material as that of the wall panels. The roof is supported by the steel structure and is constructed with 102 mm thick panels, and covered by a first layer of polyethylene polypropylene fibre waterproofing followed by a second layer of 2.7 mm thick asphalt shingles. The roof structure consists of purlins and H-type aluminium steel sections into which the roof panels are slotted. The roof is fitted with PVC gutters and downpipes. Window and door frames are factory-fitted (PVC or Agrément approved) and are

purposely made to suit the design of the building system.

All plumbing and electrical conduits can be pre-fixed or surface mounted onto the composite panels. These services must be specified and installed in accordance with good building practice.

Boen EcoSolutions Building System is constructed with prefabricated components that are assembled on site.

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

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DEPARTMENT OF PUBLIC WORKS

NO. 301

18 MARCH 2016

AGRÉMENT SOUTH AFRICA
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Notice is hereby given that Agrément South Africa has, with effect from 06 August 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2015/482

Name of product: Besta Board Building System

Certificate holder: Fast Track Contracting (Pty) Ltd

Description: Besta Board Building System is a single-storey structure that utilizes factory produced Fibrous Magnesium Oxide (MgO) boards and a light-weight steel superstructure that is sub-supported with a hot-dipped galvanised light-gauge steel frame designed and erected in accordance with **SANS 517**. The foundations and roofs are conventional and are always the responsibility of a registered competent person.

The steel is hot-rolled and complies with the requirements of **SANS 3575/ISO 3575** or **SANS 4998/ISO 4998**, and has a coating equivalent in corrosion resistance and robustness to galvanizing (Z275).

The Magnesium Oxide boards are reinforced with fibre glass mesh and are 2400 mm x 1200 mm x 10/12 mm in size. The light-weight steel superstructure has minimum yield strength of 300 MPa.

The external walls are made up of a light-gauge steel frame clad on either side with 12 mm thick MgO boards and the cavity is filled with 100 mm thick (24 kg/m³) mineral fibre insulation. Internal walls are made up of a light-gauge steel frame clad on either side with 10 mm thick MgO boards and the cavity is filled with 60 mm thick (24 kg/m³) mineral fibre insulation. The steel frame consists of studs spaced at 400 mm centres with bracings. The studs for external walls are 102 mm x 30 mm x 0.8 mm C-sections. The top and bottom rails for external walls are 103 mm x 30 mm x 0.8 mm C-sections. The studs for internal walls are 63 mm x 30 mm x 0.4 mm C-sections. The top and bottom rails for internal walls are 65 mm x 30 mm x 0.4 mm C-sections.

The roof consists of conventional steel or timber trusses with light- and heavy-weight cladding. The ceiling is conventional or a 6 mm thick Besta™ board. Floors are finished with a plain power floated floor, and in wet areas including kitchens, the floors are finished with 300 mm x 300 mm glazed ceramic tiles (as per client request).

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

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DEPARTMENT OF PUBLIC WORKS**NO. 302****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 2015/493

Name of product: Makoro Water and Liquid Storage Tanks**Certificate holder:** Makoro Tank Technologies (Pty) Ltd

Description: Makoro Water and Liquid Storage Tanks are moulded from polyethylene powder through a rotational moulding process. The production method is well known and is suitable and reliable for manufacturing plastic tanks for water and liquid storage. The raw materials used in the manufacture are the HR 486 grade of Low Linear Density Polyethylene (LLDPE) polymer as well as H359 polymer supplied by Rotoflo and SASOL Polymers. The roto-moulding manufactured tanks from these polymers are expected to be physically strong and the potable water stored in such tanks has no adverse effects on humans or animals when consumed. The tanks are available in different liquid capacities and different colours up to 10 000 litres.

Makoro Water and Liquid Storage Tanks are manufactured according to customer's requirements. In all cases the temperature of contents should not exceed 60°C and must be at ambient pressure. The tanks are designed to withstand the hydrostatic pressure only. These tanks are manufactured from UV resistant virgin material only and no reworked material is used in the manufacturing process. The tanks are lined internally by a black layer of non UV resistant polyethylene.

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

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DEPARTMENT OF PUBLIC WORKS**NO. 303****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 2015/504

Name of product: Selcrete™ Building System**Certificate holder:** Hjott South Africa (Pty) Ltd

Description: Selcrete™ Building System comprises a mixture of Expanded Polystyrene (EPS) beads, cement and solution of water with liquid binding agent to form hollow blocks. The blocks have a compressive strength of 7 MPa and a dry density of between 250 kg/m³ to 600 kg/m³. These blocks are produced in moulds on site or factory with sizes of 590 x 190 x 150 mm and 590 x 190 x 190 mm for internal and external walls respectively. The holes are 80 mm diameter.

The blocks are laid in conventional bonding method with mortar mixed with Sikalite® (powdered waterproofing admixture for mortar) as a binding agent. A 20 mm tremnet Polyvinyl Chloride (PVC) mesh is applied to the external walls and finished off with plaster on both sides and painted accordingly.

Foundations are conventional and are always the responsibility of an approved competent person. Roof is of light-weight steel or timber trusses with metal sheeting or concrete tiles or Agrément South Africa approved cladding.

All services are conventional and electrical conduits and plumbing pipes are either surface mounted or grouted in to the walls. These services must be installed in accordance with good building practice.

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

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DEPARTMENT OF PUBLIC WORKS**NO. 304****18 MARCH 2016****AGRÉMENT SOUTH AFRICA**
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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 2015/505

Name of product: 4-Everframe Wood Plastic Composite Door Frames

Certificate holder: BM Trading Trust

Description: 4-Everframe Wood Plastic Composite Door Frames are manufactured from a mixture of 50% recycled wood flour and 50% Polyvinyl Chloride (PVC) and are extruded through a moulding process. Door frames are used in conjunction with conventional door leaves and ironmongery and are sizes 899 mm x 2075 mm.

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

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DEPARTMENT OF PUBLIC WORKS

NO. 305

18 MARCH 2016

AGRÉMENT SOUTH AFRICA
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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>

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DEPARTMENT OF PUBLIC WORKS**NO. 306****18 MARCH 2016****AGRÉMENT SOUTH AFRICA**
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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 2012/408

Name of product: Pro-Phalt SA (Pty) Ltd

Certificate holder: Pro-Phalt Infrared Road Repair System

Description: The Pro-Phalt Infrared Road Repair System is used to repair bituminous surfaces on pavements damaged by potholes and trench crossings.

Repairs are effected by:

- heating the damaged area of the bituminous surface using an infrared heater to between 180 and 200°C
- reworking/recycling the existing surface layer material with new binder and asphaltic material (to make up any shortfall in material) over the damaged area
- raking the surface to tie in with existing surface levels and then compacting.

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

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DEPARTMENT OF PUBLIC WORKS

NO. 307

18 MARCH 2016

AGRÉMENT SOUTH AFRICA
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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 2015/495

Name of product: ABOD House Building System

Certificate holder: HMR Homes (Pty) Ltd

Description: ABOD House Building System is a steel frame structure based on a catenary arch. The frame has standard dimensions of 5 030 mm long x 4 000 mm wide x 3 260 mm high and contains 38 mm x 38 mm x 1.6 mm and 25 mm x 25 mm x 1.6 mm steel tubing joining the main arches.

The system utilises a conventional raft foundation and floor slab. Steel must be hot-dip galvanised in accordance with **SANS 121**. The design, erection and approval of the foundation is the responsibility of an approved competent person.

The wall panels consist of 75 mm Fibreglass insulation core of 12 kg/m³ density. The fibreglass core is wrapped around the structure and it is supported by 140 mm high x 4 mm thick wood composite cladding internally. Alternatively, the system is clad with Polyvinyl chloride (PVC) on the inside face. The external face is clad with 0.5 mm corrugated chromadek sheets fixed to the outer arched steel frames with 8 mm Posi- drive screws at 150 mm centres. The corrugated chromadek sheets overlap each other by at least 200 mm. ABOD House Building System doesn't have internal walls.

Door and window frames are made from aluminium, and are fitted onto the system during the erection process. All services and electrical conduits are either surface mounted or pre-drilled into the panels during manufacturing. Services must be specified and installed in accordance with good building practice.

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

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DEPARTMENT OF PUBLIC WORKS

NO. 308

18 MARCH 2016

AGRÉMENT SOUTH AFRICA
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Notice is hereby given that Agrément South Africa has, with effect from 10 December 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Interim Certificate 2015/496

Name of product: Ecobond: Non-Traditional Soil Stabiliser

Certificate holder: Techneco (Pty) Ltd

Description: Ecobond, a non-traditional soil stabiliser, is a modified bitumen emulsion polymer. It is used for stabilizing road base construction materials for both paved and non-paved gravel roads and also in wearing course for gravel roads.

Ecobond is constituted on site through a chemical reaction by mixing bitumen emulsion, synthetic resin, water and a proprietary catalyst. The mixture is added to crushed stone, natural gravels or sand to form a water resistant, elastic and robust layer. It improves the compressive, tensile and shear strength and also the abrasion and water resistance of the particulate materials for road construction. It is insoluble in water and hence does not leach.

The mixing ratios and application rate (mix design) depend on the site specific material and the required road design specifications.

Ecobond is applied at ambient temperature and by use of water tanker trucks. It is applied as a form of bitumen stabilizing material and the standard design methods detailed in SANRAL's manual SAPEM 2013 and SABITA's TG2 are applicable. Alternatively Techneco (Pty) Ltd.'s guideline documents offer application methods.

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

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Notice is hereby given that Agrément South Africa has, with effect from 10 December 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2015/502

Name of product: Permanent Axle Traffic Monitoring System with WYPROS I WIM

**Certificate holder/
System supplier:** Mikros Systems (Pty) Ltd t/a Syntell Group Company

Description: Permanent Axle Traffic Monitoring System with WYPROS I PWIMs consist of a dual intrusive loop, Piezo sensors, RAKTEL X010/20, MICROSAC card, RAKMAN Power Manager Card, Battery, WYPROS I PWIM axle interface card, Single axle sensor, WINTER98 temperature card, Colseal or similar approved sealant and GPRS modem to download data. Permanent Axle Traffic Monitoring System with WYPROS I PWIMs is a combination of dual intrusive loops and piezo sensors. The WYPROS I PWIM card is to process the signals from up to four piezo weigh sensors. WYPROS I PWIM card needs to have a WINTER98 Piezo temperature card to read the temperature of a temperature probe.

Dual intrusive loops are permanent embedded loops into concrete or asphalt pavement covered with Colseal or similar approved sealant. Loops are 3 m x 1 m x 50 mm (nominal dimensions) with one or more turns of cross-linked polyvinylchloride (PVC) wires and are installed over the full width of a roadway on new and existing roads. The Piezo sensors are installed in the same manner as the intrusive loop using the RG58 coaxial cable as feeders and are regarded as a single axle sensor. Site requirements are as specified in Chapter 10 of the **TMH3**.

The system was assessed for use on roads and is classified as Type B1 traffic monitoring system, which means that the system is valid for:

- highest level of detection and a relatively high level of vehicle classification (categorization)
- speed and axle detection without single/dual tyre detection.

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

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SCHEDULE
Agrément Certificate 2015/496

Name of product: Mikros Dual Stick-on Loop Traffic Monitoring System

**Certificate holder/
System supplier:** Mikros Systems (Pty) Ltd t/a Syntell Group Company

Description: Mikros Dual Stick-on Loop Traffic Monitoring System consist of a dual stick on loop, RAKTEL X010/20, MICROSAC Card, RAKMAN Power Manager Card, TELOOP8-100 Loop Card, Battery, Bituthene 5000 or similar tape and GPRS modem to download data (optional).

The dual stick on loops is a temporary loop covered with Bituthene 5000 or similar tape and the loops can only be used once. Generally, the stick-on loops are 3 m x 1 m x 50 mm (nominal dimensions) with one or more turns of cross-linked polyvinylchloride (PVC) wires placed on concrete or asphalts pavements.

Mikros Dual Stick-on Loop Traffic Monitoring Systems are installed over the full width of a roadway on new and existing roads. Site requirements are as specified in Chapter 10 of the **TMH3**.

The system was assessed for use on roads and is classified as Type C1 traffic monitoring system, which means that the system is valid for:

- relatively high detection and medium to low level vehicle classification
- speed and length detection without axle and single/dual tyre detection.

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

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NO. 311

18 MARCH 2016

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Notice is hereby given that Agrément South Africa has, with effect from 10 December 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2015/501

Name of product: Permanent Axle Traffic Monitoring System with PICOTEL8

**Certificate holder/
System supplier:** Mikros Systems (Pty) Ltd t/a Syntell Group Company

Description: Permanent Axle Traffic Monitoring System with PICOTEL8 consist of a dual intrusive loop, piezo sensors, RAKTEL X010/20, MICROSAC card, RAKMAN Power Manager Card, Battery, PICOTEL8 axle interface card, Single axle sensor, Colseal or similar approved sealant and GPRS modem to download data. Permanent Axle Traffic Monitoring System with PICOTEL8s is a combination of dual intrusive loop and piezo sensors. The PICOTEL8 card is a fully digitally adjustable and does not require any potentiometer adjustments. The PICOTEL8 card allows for diagnostic (graphical) sensor display when using the TelWin program.

Dual intrusive loops are permanent embedded loops into concrete or asphalt pavement covered with Colseal or similar approved sealant. Loops are 3 m x 1 m x 50 mm (nominal dimensions) with one or more turns of cross-linked polyvinylchloride (PVC) wires and are installed over the full width of a roadway on new and existing roads. The Piezo sensors are installed in the same manner as the loop wire using the RG58 coaxial cable as feeders and are regarded as a single axle sensor. Site requirements are as specified in Chapter 10 of the **TMH3**.

The system was assessed for use on roads and is classified as Type B1 traffic monitoring system, which means that the system is valid for:

- highest level of detection and a relatively high level of vehicle classification (categorization)
- speed and axle detection without single/dual tyre detection.

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

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DEPARTMENT OF PUBLIC WORKS

NO. 312

18 MARCH 2016

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Notice is hereby given that Agrément South Africa has, with effect from 09 December 2014, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2014/474

Name of product: FSM FR Polycore Building System

Certificate holder: Fabricated Steel Manufacturing Company (Pty) Ltd

Description: FSM FR Polycore Building System is used for single storey buildings. The system comprises prefabricated components that are assembled on site, conventional strip or raft foundations and roofs with insulated ceilings.

Foundations are either cast in-situ concrete surface beds with thickened edge beams or with strip footings. Where the latter are used, the surface bed is thickened over the brick plinth. A 105 mm x 40 mm deep rebate is formed around the perimeter of the slab to accommodate the external wall panels.

The minimum reinforcing mesh to be used in the slab is RF193. The design and approval of the foundation is always the responsibility of a registered professional competent engineer.

The external wall panels (wall type 1) are up to 3000 mm x 1120 mm x 103 mm thick. They comprise a 0.58 mm pre-galvanised Chromadek sheet on either side encapsulating a 90 mm thick Expanded Polystyrene (15 kg/m³) core laminated to a 12 mm thick fire resistant MgO board.

Wall type 1 is also used as an internal wall for the following occupancy classifications:

- moderate and low-risk commercial service buildings (B2 & B3)
- low and moderate risk industrial (D2 & D3)
- large, small shops and wholesalers store (F1, F2 & F3)
- dwelling house (detached houses) and related outbuildings (H4).

The internal wall panels (wall type 2) are used for occupancies where 41 – 45dB sound insulation is required. The panels are up to 3000 mm x 1120 mm x 103 mm thick. They comprise 2 sheets of 0.58 mm pre-galvanised Chromadek sheets and 2 boards of 12 mm thick fire resistant MgO encapsulating a 80 mm thick and Expanded Polystyrene (15 kg/m³) core. In addition, internal wall panels (wall type 3) can be up to 3000 mm x 1120 mm x 206 mm thick and comprise 2 No. wall type 1 erected back to back. These are for occupancies where a 60 minute FR and 45 dB sound insulation are required.

The roof structure comprises a bolted steel structure with light- or heavy-weight

cladding. Ceilings are always insulated.

Window and door frames are galvanised steel or are aluminium, which are purpose made to suite the design of the building system.

Plumbing and electrical conduits can be flush mounted or surface mounted onto the composite panels.

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 395
PRETORIA
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DEPARTMENT OF PUBLIC WORKS

NO. 313

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 10 December 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2015/498

Name of product: Permanent Dual Traffic Monitoring System with TELOOP8

**Certificate holder/
System supplier:** Mikros Systems (Pty) Ltd t/a Syntell Group Company

Description: Permanent Dual Traffic Monitoring System with TELOOP8 consist of a dual intrusive loop, RAKTEL X010/20, MICROSAC Card, RAKMAN Power Manager Card, TELOOP8-100 Loop Interface Card, ZAP3 lightning protection unit, Colseal or similar approved sealant and GPRS modem to download data (optional). The TELOOP8 is an eight channel self-tuning high performance digital loop detector with a lightning protection unit called ZAP3 (powered using 12V).

TELOOP8 loops are permanent embedded loops into concrete or asphalt pavement covered with Colseal or similar approved sealant. Loops are 3 m x 1 m x 50 mm (nominal dimensions) with one or more turns of cross-linked polyvinylchloride (PVC) wires and are installed over the full width of a roadway on new and existing roads and as per client specification. Site requirements are as specified in Chapter 10 of the **TMH3**.

The system was assessed for use on roads and is classified as Type C1 traffic monitoring system, which means that the system is valid for:

- relatively high detection and medium to low level vehicle classification
- speed and length detection without axle and single/dual tyre detection.

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 395
PRETORIA
0001

DEPARTMENT OF PUBLIC WORKS**NO. 314****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 25 March 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2015/475

Name of product: Ventilated Improved Pit and Urine Diversion Toilet System

Certificate holder: EnviroSan Sanitation Solutions cc

Description: Ventilated Improved Pit and Urine Diversion Toilet System comprise sanitation components for installation on site for the typical superstructure constructed over a vented pit. The sanitation 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.

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 395
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DEPARTMENT OF PUBLIC WORKS

NO. 315

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 21 October 2014, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2014/465

Name of product: Everite ABT Building System

Certificate holder: Everite (Pty) Ltd

Description: Everite ABT Building System comprises both conventional and innovative aspects of construction. The foundations are conventional and always the responsibility of a registered professional competent engineer.

The building system utilises 90 mm wide G550 gauge high tensile steel studs and tracks coated with a Z275 galvanising. The steel design is verified by light gauge steel software and signed off by a registered competent structural engineer. The steel U-sections are 90 mm x 37 mm x 8 mm in dimension and cold-rolled using 0.8 mm ISQ 550 Zinc-Alum steel.

The light gauge steel framework of Everite ABT Building System is assembled around an 88 mm thick fire retarded Expanded Polystyrene (EPS) of 16 kg/m³ density. The external wall panel of the building system is clad with a 12 mm medium density fibre-cement board on the external face and two layers of Nutec fibre-cement boards laminated together (6 mm and 9 mm) or 15 mm Fire Stop gypsum board on the internal face. The internal wall panel core is 58 or 88 mm thick and clad with 9 mm medium density fibre cement boards on either sides. Party walls must be clad with the above mentioned laminated boards on both sides. The external wall panels' overall dimensions are generally 2 400 mm x 1 200 mm x 115 mm.

The roof structures are constructed from light gauge galvanised steel trusses that are designed and erected in accordance with **SANS 517** and are the responsibility of a professional registered competent engineer. The roof structure is clad with light- or heavy-weight cladding.

Windows and door frames are made up of aluminium and are built into the light gauge steel frame at the factory. All services are conventional and electrical conduits are either surface mounted or pre-drilled in the frame. These services must be specified and installed in accordance with good building practice.

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 395, **PRETORIA**, 0001

DEPARTMENT OF PUBLIC WORKS

NO. 316

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 10 December 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2015/499

Name of product: Permanent Dual Traffic Monitoring System with TELOOP8-F

**Certificate holder/
System supplier:** Mikros Systems (Pty) Ltd t/a Syntell Group Company

Description: Permanent Dual Traffic Monitoring System with TELOOP8-F consist of a dual intrusive loop, RAKTEL X010/20, MICROSAC card, RAKMAN Power Manager Card, Battery, TELOOP8-F-100 Loop interface card, ZAP3 and ZAP4 lightning protection unit, Colseal or similar approved sealant and GPRS modem to download data (optional). The TELOOP8-F is an eight channel self-tuning high performance digital loop detector with a lightning protection unit called ZAP3 (powered using 12V) and ZAP4 (powered using TELOOP8-F directly to the DB15 ribbon cable header).

TELOOP8-F dual intrusive loops are permanent embedded loops into concrete or asphalt pavement covered with Colseal or similar approved sealant. Loops are 3 m x 1 m x 50 mm (nominal dimensions) with one or more turns of cross-linked polyvinylchloride (PVC) wires and are installed over the full width of a roadway on new and existing roads and as per client specification. Site requirements are as specified in Chapter 10 of the **TMH3**.

The system was assessed for use on roads and is classified as Type C1 traffic monitoring system, which means that the system is valid for:

- relatively high detection and medium to low level vehicle classification
- speed and length detection without axle and single/dual tyre detection.

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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DEPARTMENT OF PUBLIC WORKS**NO. 317****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 25 March 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2015/476

Name of product: High Density Polymer Envirodoor**Certificate holder:** Envirosan Sanitation Solutions cc

Description: High Density Polymer Envirodoor is a pivot hinge plastic door designed for sanitation top structures installed on site to provide privacy, protection from the elements and security for users. The door fits into lugs that can be attached to the floor and roof or cast into the floor and roof for improved resilience. The door does not require a door frame.

The door latch is manufactured from nylon and will automatically engage when the door is closed allowing slam shutting, the latch locks from both the inside and outside, however, with the inside mechanism overrides the outside mechanism. The door is cross braced for added strength and is manufactured of material that is of sturdy construction. The doors can be retro-fitted easily into the existing top structures where the existing wooden or steel doors have failed and need to be replaced.

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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DEPARTMENT OF PUBLIC WORKS

NO. 318

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 26 March 2014, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2014/450

Name of product: Power Profile Building System

Certificate holder: Shell Case 208 (Pty) Ltd

Description: Power Profile Building System utilises both conventional and innovative aspects of construction. The foundations are conventional and the responsibility of a registered professional competent person.

The external walls are structural bearing prefabricated panels made up of a 50 mm thick expanded polystyrene core of density 16 kg/m³ encapsulated by 0.5 mm zincalume sheets with AZ150 coating, which complies with the requirements of **SANS 9364**. The inside face of the panel is lined with 51 mm thick Isover glasswool cavitybatt insulation of density 14 kg/m³ and 15 mm thick fire stop board. The overall thickness of the external wall panel is 117 mm. Internal walls are made from the same panel as the external walls but with 15 mm fire stop boards on either side.

All external wall panels are finished with two coats of water-based acrylic paint or any similar Agrément certified paint. One coat of the same paint is applied on the internal walls. In corrosive conditions the external wall facings are to be treated as specified in durability: explanatory notes, page 11 of 21 of the certificate.

The roof structure conventional and the design and erection are the responsibility of a registered competent person.

Windows and door frames are made up of aluminium or steel, and provisions for all openings are pre-cut during the panel manufacturing stage. Electrical and plumbing services and/or conduits are conventional and must be specified and installed in accordance with good building practice.

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 395
PRETORIA, 0001

DEPARTMENT OF PUBLIC WORKS**NO. 319****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 10 December 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2015/503

Name of product: TES Non-Intrusive Loop Traffic Monitoring System**Certificate holder/
System supplier and
Service provider:**

TES Trust

Description:

TES Non-Intrusive Loop Traffic Monitoring System consist of a dual stick on loop, PADVARK traffic logger, Battery, Bituthene 3000 tape and GSM modem to download data (optional).

The dual stick on loops is a temporary loop covered with Bituthene 3000 or similar tape and the loops can only be used once. Generally, the stick-on loops are 2.3 m x 1 m x 50 mm (nominal dimensions) with twin flex polyvinylchloride (PVC) wires placed on concrete or asphalts pavements.

TES Non-Intrusive Loop Traffic Monitoring Systems are installed over the full width of a roadway on new and existing roads. Site requirements are as specified in Chapter 10 of the **TMH3**.

The system was assessed for use on roads and is classified as Type C1 traffic monitoring system, which means that the system is valid for:

- relatively high detection and medium to low level vehicle classification
- speed and length detection without axle and single/dual tyre detection

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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DEPARTMENT OF PUBLIC WORKS

NO. 320

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 10 December 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2015/500

Name of product: Permanent Axle Traffic Monitoring System with AUTOPIZO8

**Certificate holder/
System supplier:** Mikros Systems (Pty) Ltd t/a Syntell Group Company

Description: Permanent Axle Traffic Monitoring System with AUTOPIZO8 is a combination of dual intrusive loops and piezo sensors. The system consist of a dual intrusive loop, RAKTEL X010/20, MICROSAC card, RAKMAN Power Manager Card, Battery, AUTOPIZO8 axle interface card, Single axle sensor, Colseal or similar approved sealant and GPRS modem to download data. The AUTOPIZO8 axle interface card evaluates the signals from vehicles and automatically scales the threshold and sensitivity levels per individual channel. For the AUTOPIZO8 card to operate effectively a minimum number of light vehicles must traverse the Piezo sensors.

Dual intrusive loops are permanent embedded loops into concrete or asphalt pavement covered with Colseal or similar approved sealant. Loops are 3 m x 1 m x 50 mm (nominal dimensions) with one or more turns of cross-linked polyvinylchloride (PVC) wires and are installed over the full width of a roadway on new and existing roads. The piezo sensors are installed in the same manner as the dual intrusive loop using the RG58 coaxial cable as feeder and are regarded as a single axle sensor. Site requirements are as specified in Chapter 10 of the **TMH3**.

The system was assessed for use on roads and is classified as Type B1 traffic monitoring system, which means that the system is valid for:

- highest level of detection and a relatively high level of vehicle classification (categorization)
- speed and axle detection without single/dual tyre detection.

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

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DEPARTMENT OF PUBLIC WORKS

NO. 321

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 25 March 2015, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2015/477

Name of product: Green Crete Building System

Certificate holder: Get Connected Holdings (Pty) Ltd

Description: Green Crete Building System comprise walls made of prefabricated modules, conventional foundation and roof with insulated ceiling. The conventional concrete rafts with thickened edge beams and are always a responsibility of a registered professional competent engineer.

The building modules are 1200 mm x 900 mm x 90 mm light-weight interlocking masonry which are made from a mixture of fly-ash, slag, waste polystyrene, cement and polymer binders and have a density of 375 kg/m³. Walls are clad with an alkali resistant glass fibre crinnete before application of cement plaster and Gamazine coating.

Roof consists of light-gauge galvanised steel channel sections and complies with **SANS 517**. Roof cladding is light- or heavy-weight and ceilings are 6.4 mm thick gypsum board and they must always be insulated.

All other services are conventional

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

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WARNING!!!

To all suppliers and potential suppliers of goods to the Government Printing Works

The Government Printing Works would like to warn members of the public against an organised syndicate(s) scamming unsuspecting members of the public and claiming to act on behalf of the Government Printing Works.

One of the ways in which the syndicate operates is by requesting quotations for various goods and services on a quotation form with the logo of the Government Printing Works. Once the official order is placed the syndicate requesting upfront payment before delivery will take place. Once the upfront payment is done the syndicate do not deliver the goods and service provider then expect payment from Government Printing Works.

Government Printing Works condemns such illegal activities and encourages service providers to confirm the legitimacy of purchase orders with GPW SCM, prior to processing and delivery of goods.

To confirm the legitimacy of purchase orders, please contact:

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