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GENERAL NOTICE

NOTICE 301 OF 2013

DEPARTMENT OF PUBLIC WORKS

AGRÉMENT SOUTH AFRICA

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 27 July 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2011/391

Name of product: AMSA's Alternative Building System

Certificate holder: Arcelor Mittal South Africa Steel Service Centre (Pty) Ltd

Description: Amsa's Alternative Building System is a steel frame structure with insulated infill wall panels. The design and construction details to steel frame are the responsibility of a competent registered engineer. The external wall panels consist of 0.63 mm thick ribbed shaped surface (trapezoidal, micro, sinusoidal, V and smooth) steel sheeting on the exterior and 0.5 mm thick trapezoidal ribbed shaped surface on the interior encapsulating 40, 50, 60, 80, and 100 mm thick polyurethane core. The external walls are clad internally with a 15 mm layer of fire stop gypsum board.. Internal walls are 75 mm thick and comprises 2 x 12.5 mm Rhino board panels encapsulating 50 mm thick, 24 kg/m³ glass wool.

The foundation and floor slab are conventional and are always the responsibility of a registered professional competent engineer. The roof is constructed of insulated panels which are similar to the external wall panels. Window and door frames are conventional and are purposely made to suite the design of the building. The plumbing and electrical conduits are pre-fixed into the composite panels prior to assembly.

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
0001
PRETORIA

NOTICE 302 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA****(Approval of innovative construction products and systems)**

Notice is hereby given that Agrément South Africa has, with effect from 01 June 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2009/355 (Amended June 2011)

Name of product: APC Modular Building System**Certificate holder:** Leading Edge cc

Description: The APC Modular Building System comprises factory produced, pre-cast concrete posts and panels which form external and internal walls of single storey buildings. External wall panels are rendered externally with 20 mm to 30 mm thick plaster applied in two to three layers. In the Southern Cape Coastal Problem area (SCCP) external wall panels are clad internally with 20 mm thick expanded polystyrene and rendered with 20 mm to 25 mm thick plaster applied in two layers. Internal walls can be left unfinished, bagged or rendered with 15 mm to 20 mm thick plaster.

Foundations to posts are concrete pad footings cast around the post which are temporarily held in position in foundation trenches. Alternatively posts can be anchored on the thickened edge beam and braced to the panels and roof (see Figure 3, 4, 5, 6, 7 & 8). The design of foundations and posts are always the responsibility of a registered competent engineer.

Window and door frames are conventional and concrete posts must be placed on both sides of openings. Roof trusses can be either timber or light gauge galvanized steel anchored to eaves walls with a hoop iron around top wall panel and twisted and spiked to roof trusses in accordance with SANS 10243 and SANS 10162 respectively. Roof can be clad with either heavy-weight or light-weight roof cladding. All other services are conventional.

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, 0001, **PRETORIA**

NOTICE 303 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 24 August 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2011/396

Name of product: Betcrete Polycrete Door Frames and Windows

Certificate holder: Betcrete(Pty) Ltd

Description: Betcrete Polycrete Door frames and Windows are prefabricated and made of lightweight concrete consisting of a homogenous blend of silica sand, calcium carbonate and polyester resin. They are available in grey (concrete appearance) colour. The surface finish is two coats of an exterior acrylic paint with South African Bureau of Standard (SABS) or Agrément South Africa accreditation.

Door frames are used in a conventional manner, that is, in conjunction with door leaves and ironmongery. Windows utilises polycrete mullions and transoms and aluminium sashes with monolithic or laminated glazing and ancillary components, namely, lugs, bolts, nuts and screws.

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
0001
PRETORIA

NOTICE 304 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 24 August 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE**Agrément Certificate 2011/395**

Name of product: Betcrete Polycrete Window Sill

Certificate holder: Betcrete(Pty) Ltd

Description: Betcrete Polycrete window Sill is a prefabricated lightweight concrete window sill. It combines internal and external window sills. It is manufactured from a homogenous blend of silica sand, calcium carbonate and polyester resin. It is available in grey (concrete appearance) colour and the surface finish is two coats of an exterior acrylic paint with the South African Bureau of Standards (SABS) or with Agrément South Africa accreditation. It is available in 300 mm thick widths and lengths are per customer's requirements.

The Betcrete window sills are used in conjunction with Betcrete Polycrete Windows (Agrément Certificate 2011/396: Betcrete Polycrete Door Frames and Windows) or conventional window frames.

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
0001
PRETORIA

NOTICE 305 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 30 November 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE**Agrément Certificate 2011/402**

- Name of product:** Brickseal Cementitious Wall Coating
- Certificate holder:** Zambezi Mining Services (Pty) Ltd T/Concrete Lining Products
- Description:** Brickseal is a modified cement and lime-based coloured, weatherproof, acrylic wall coating. It is a one-coat applied to sound and properly prepared external and internal wall surfaces which including:
- unplastered clay brick and concrete block masonry walls
 - unpainted plastered masonry walls
 - unplastered hyper-compressed, soil-cement brick walls including walls erected using dry-stack systems and may be used to weatherproof walls.

Brickseal is supplied in various colours and in 21 kg bags and mixed on site with a liquid binder. It is sprayed onto walls to a thickness of at least 5 mm and the coating is trowelled smooth and may be given a textured finish.

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
0001
PRETORIA

NOTICE 306 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 01 June 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2011/397

Name of product: Compressed Earth Blocks Building System

Certificate holder: Use-It

Description: The compressed Earth Blocks Building System comprise 254 mm thick walls constructed from compressed soil-cement stabilised blocks (5% cement by volume), soil-cement slurry mortar and plaster. The structure/building incorporates a 80 mm x 254 mm concrete ring beam which acts as a wall plate and provides support and anchorage for the roof.

The external and internal wall surfaces are finished by plastering using conventional plaster.

Foundations and surface bed are conventional, and are always designed by a registered professional 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
0001
PRETORIA

NOTICE 307 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 30 November 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2011/403

Name of product: Concretex Building System

Certificate holder: Paveprint cc T/A Concretex

Description: Concretex Building System buildings are single-storey buildings that are designed and erected under the control of a professional engineer or approved competent person who ensure :

- the structural integrity of the entire building
- adherence to the requirements of this certificate

The Concretex Building System consists of:

- precast, reinforced, polystyrene bead concrete panels, which incorporate polystyrene cores and are bolted together to form the external and internal walls
- conventional concrete surface beds with thickened edge beams
- conventional roof constructed of timber trusses which are braced and clad with lightweight roof covering,
- conventional ceilings and which may be insulated using a 50 mm-thick layer of glass wool.

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
0001
PRETORIA

NOTICE 308 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA****(Approval of innovative construction products and systems)**

Notice is hereby given that Agrément South Africa has, with effect from 01 June 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE**Agrément Certificate 2011/386****Name of product:** Cyclo Roof Tiles & Ridges**Certificate holder:** Cyclocor (Pty) Ltd

Description: Cyclo Roof Tiles are made from graded sand and recycled plastics. They are manufactured by compression moulding and come in various colours. The pigments for colouring are supplied to Cyclocor (Pty) Ltd by others. For tile profile, names and sizes refer to Agrément certificate.

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
0001
PRETORIA

NOTICE 309 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 24 August 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2011/394

Name of product: Flexiwall Coating System

Certificate holder: Duram (Pty) Ltd

Description:

The Flexiwall Coating System is a two-coat application 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 surfaces as follows:

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

The Flexiwall Coating System is a ready-to-use, water-based flexible acrylic emulsion wall coating. It is available in a range of colours and packaged in 5 litre and 20 litre containers. It is thoroughly stirred on site before application. It is applied using a 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
0001
PRETORIA

NOTICE 310 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 24 August 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2011/392

Name of product: Geberit HDPE Above Ground Soil and Waste Drainage System

Certificate holder: Geberit Southern Africa (Pty) Ltd

Description: The Geberit Soil and Waste Drainage System is a single stack system assembled from moulded fittings and extruded pipes manufactured from PE80 high-density polyethylene (HDPE). Systems include Geberit Sovent branch fittings which give the system its innovative properties. Pipes and fittings are available in diameters ranging from 32 to 315 mm while the Sovent fitting is available in a diameter of 110 mm. Pipes are available in standard lengths of 5 m.

The system is used for the conveyance of above-ground sewerage (below 80 °C) from domestic, commercial and public buildings.

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
0001
PRETORIA

NOTICE 311 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 24 August 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE**Agrément Certificate 2011/393**

Name of product: Geberit Pluvia Syphonic Roof Drainage System

Certificate holder: Geberit Southern Africa (Pty) Ltd

Description:

The Geberit Pluvia Syphonic Roof Drainage System comprises:

- stainless steel, uPVC coated steel or HDPE roof rainwater outlets with 56 mm or 90 mm diameter spigots
- HDPE pipes and fittings as certificated in Agrément certificate 2011/392: *Geberit HDPE Above Ground Soil and Waste Drainage System*
- computer software to determine drainage system requirements for each installation.

The certificate covers the use of the system for the drainage of rainwater from roofs of mainly commercial, industrial and public buildings.

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
0001
PRETORIA

NOTICE 312 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 30 November 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2011/400 (Amended November 2011)

Name of product: Mi Panel 2 Building System

Certificate holder: MiBT SA Pty (Ltd)

Description: The Mi Panel 2 Building System is constructed under the supervision of a registered professional competent engineer who prepares a rational design that:

- ensures the structural integrity of the entire building
- adheres to the conditions of certification of this certificate and the certificate holders' specification and quality management documentation

The Mi Panel 2 Building System is a combination of innovative and conventional construction methods. It is a single or multi-storey structure that comprises:

- foundations: cast in-situ concrete surface bed and thickened edge beams which in all cases are designed by a professional engineer or competent person.
- 75 mm thick (wall type 1), 150 mm thick (wall type 2) or 200 mm thick (wall type 3- including a 50 mm airspace in between) lightweight interlocking panels comprising a polystyrene beaded concrete core with
- a density of 650 kg m^{-3} , encapsulated in two layers of 4,5 mm thick fibre cement boards. These are used structurally for single storey buildings and non-structural (in-fill panels) for multi-storey buildings
- light gauge structural steel roof trusses with
- lightweight roof cladding or Agrément South Africa approved lightweight roof cladding
- ceilings which are always insulated and
- conventional services

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, 0001, **PRETORIA**

NOTICE 313 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 30 November 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE**Agrément Certificate 2011/401**

Name of product: Modular Home Building System

Certificate holder: Ekhaya Jabulani

Description: Modular Home Building System is a single storey structure consisting of light gauge steel frame with infill wall panels. The external panels consist of 0.47/0.53 mm thick zink-alum sheet profile (versadeck) on the exterior and 9 mm thick magnesium oxide board on the interior encapsulating 89 mm thick hasopor or perlite concrete core. The overall thickness of the external panel is 125 mm. The internal panels are 107 mm thick and comprise 9 mm magnesium oxide board on both sides encapsulating 89 mm hasopor or perlite concrete core.

The roof consists of light gauge structural steel trusses with light or heavy weight cladding. Ceilings comprise a 6 mm thick gypsum board or similar and are always insulated.

The foundation and the floor slab are conventional and are always the responsibility of a registered competent professional engineer.

All services are also conventional.

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
0001
PRETORIA

NOTICE 314 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA****(Approval of innovative construction products and systems)**

Notice is hereby given that Agrément South Africa has, with effect from 24 August 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE**Agrément Certificate 2009/352 (Amended August 2011)****Name of product:** Prominent Paints Waterproofing Wall Coating**Certificate holder:** Prominent Paints (Pty) Ltd

Description: The certificate covers the use of the Prominent Paints Waterproofing Wall Coating as a two-coat application 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 surfaces as follows:

- sand-cement plaster
- sand-cement bagged finishes
- the above surfaces previously painted with polyvinyl acetate (PVA) paint
- prepared gypsum and fibre cement boards

The Prominent Paints Waterproofing Wall Coating is a ready-to-use, flexible acrylic emulsion wall coating. It comes in a variety of colours and available in 20 litre containers. It is thoroughly stirred on site before application. It is applied using a 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
0001
PRETORIA

NOTICE 315 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 27 July 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2011/390

Name of product: Rapidwall Building System

Certificate holder: Industrial Development Corporation (IDC) and Foskor

Description: The Rapidwall Building System is for single- and multi- storey (up to ten storeys) buildings. The multi- storey buildings are designed and erected under the control of a registered competent professional engineer who will ensure the structural integrity of the entire building.

For single- storey buildings foundation are raft foundations, cast on a damp-proof membrane in all cases designed by a professional engineer. The wall panels are constructed of ribbed and hollow core panels which are factory produced. Wall panel consists of water resistant gypsum plaster with water proofing additives reinforced with chopped fibreglass.

Roof construction is conventional timber or light gauge structural steel roof trusses with light- or heavy-weight cladding. Insulated ceilings are always installed.

Window and door frames are fixed on site into openings after the installation of the wall panel and secured to the steel closures with the screws fixed to the wall panels.

All other aspects of construction are conventional.

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
0001
PRETORIA

NOTICE 316 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA****(Approval of innovative construction products and systems)**

Notice is hereby given that Agrément South Africa has, with effect from 30 November 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2011/399

Name of product: Sheerflex Coating System**Certificate holder:** Dekro Paints (Pty.) Ltd

Description: The Sheerflex Coating System is a two-coat application 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 surfaces as follows:

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

The Sheerflex Coating System is ready-to-use, water-based flexible acrylic emulsion wall coating. It is available in a range of colours and packaged in 5 litre and 20 litre containers. It is thoroughly stirred on site before application. It is applied using a block brush or a lamb's wool 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
0001
PRETORIA

NOTICE 317 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 01 June 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2011/387

Name of product: Spunsulation 4 Contractors Choice

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

Description: The Spunsulation 4 Contractors Choice is manufactured from pigmented, ultraviolet (UV) light resistant and non-toxic flame retarded non-woven spunbond polypropylene and aluminium foil laminated on both side with polyolefin laminating layer. The membrane has a weight of 127 g/m² with a thickness of between 0, 20 mm to 0, 24 mm. It is supplied in rolls of 30 m long and 750 mm or 1, 5 m wide.

Spunsulation 4 Contractors Choice is suitable for installation in all tiled-roof buildings with timber, lightweight 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
- reduce ingress to the roof space of wind-driven rain and dust

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
0001
PRETORIA

NOTICE 318 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 27 July 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE**Agrément Certificate 2011/389**

Name of product: Texlon Roof Façade Cladding System

Certificate holder: Vector Foiltec Ltd

Description: The Texlon Roof and Façade Cladding System consist of pneumatic cushions restrained in aluminium extrusions and supported by a lightweight structure. The cushions are inflated with low-pressure air. Cushions are manufactured from multiple layers of ethylene-tetra-flouro-ethylene (ETFE), a modified co-polymer.

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
0001
PRETORIA

NOTICE 319 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 01 June 2011, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2011/388

Name of product: Weatherprufe Sealcoat Coating System

Certificate holder: Market Demand Trading No 263

Description: The Weatherprufe Sealcoat Coating System is a two-coat application 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 surfaces as follows:

- sand-cement plaster
- sand-cement bagged finishes
- the above surfaces previously painted with polyvinyl acetate (PVA) paint
- prepared gypsum and fibre cement boards

The Weatherprufe Sealcoat Coating System is ready-to-use, flexible acrylic emulsion wall coating. It is available in a variety of different colours and packed in 5 litre and 20 litre containers. It is thoroughly stirred on site before application. It is applied using a block brush or a lambs-wool 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
0001
PRETORIA

NOTICE 320 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA****(Approval of innovative construction products and systems)**

Notice is hereby given that Agrément South Africa has, with effect from 27 June 2012, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE**Agrément Certificate 2012/418****Name of product:** Africooker**Certificate holder:** Quick Struct cc

Description: The Africooker is a wood burning stove, water heater and water purifier. The cooker has an internal water boiler with a capacity of 25 litres. The stove is supplied with free standing hot water and distillate tanks. The capacity of the hot water tank is 40 litres while that of the distillate tank is 15 litres.

The Africooker is primarily intended for use in dwellings and may be connected to a non-pressurised water supply but can also be filled manually.

This certificate and Agrément South Africa's assessment apply only to the Africooker when manufactured by the certificate holder and installed as illustrated in this certificate, and where the terms and conditions of certification are adhered to.

The certificate specifically excludes the use of any fuel other than dry wood. The suitability of alternative fuels must be the subject of an additional assessment.

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
0001
PRETORIA

NOTICE 321 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 15 August 2012, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE**Agrément Certificate 2012/412**

Name of product: *BSIMAC* (VERSION 9) BUILDING ENERGY ANALYSIS SOFTWARE

Certificate holder: Alec Johannsen Consulting Engineers

Description: *BSIMAC* (Version 9) Building Energy Analysis Software is based on procedures recommended by the American Society of Heating Refrigeration and Air-Conditioning Engineers (ASHRAE) with calculations carried out on an hour-by-hour basis using the "Radiant Time Series" method.

BSIMAC (Version 9) Building Energy Analysis Software may be used for the rational design of air-conditioned buildings or naturally ventilated buildings of all occupancies in terms of the requirements of Regulation XA3 b) and c) of Part XA: *Energy usage in buildings* of 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
0001
PRETORIA

NOTICE 322 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA****(Approval of innovative construction products and systems)**

Notice is hereby given that Agrément South Africa has, with effect from 25 July 2012, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2012/415

Name of product: Calcamite Water and Liquid Storage Tanks**Certificate holder:** Calcamite Sanitary Services (Pty) Ltd**Description:**

The Calcamite Water and Liquid Storage Tank is manufactured by means of the rotational moulding process. It has a material thickness of between 3 mm and 6 mm, depending on the volume and intended use of the tank.

Where appropriate, tanks are manufactured from UV stabilised or colour compounded food grade materials. Depending on the application (indoor or outdoor), the inside of the tanks are lined with an algae inhibiting black layer.

They are available and in liquid capacities as illustrated in Table 4, 5, 6 and 7 of the certificate.

All tanks are available in a variety of colours and are supplied with the following standard fittings depending on the application:

- a 50 mm, 40 mm or 20 mm diameter connector at the bottom
- an inlet on top (side) with a 50 mm, 40 mm or 20 mm diameter fitting (female) and or
- a 50 mm or 32 mm diameter overflow and
- a 450 mm diameter lid on top of the tank which may also have a leaf trap

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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NOTICE 323 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

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SCHEDULE

Agrément Certificate 2012/413

Name of product: *DESIGNBUILDER (VERSION 3.1) BUILDING ENERGY ANALYSIS SOFTWARE*

Certificate holder: Greenbuild Consultants

Description: *DesignBuilder Energy Analysis Software is a user-friendly interface for the US Department of Energy software, EnergyPlus. EnergyPlus has been developed from both of the BLAST (Building Loads Analysis and System Thermodynamics) and the DOE-2 programmes of the 1970's and 1980's.*

DesignBuilder Energy Analysis Software may be used for the rational design air-conditioned buildings or naturally ventilated buildings of all occupancies in terms of the requirements of Regulation XA3 b) and c) of Part XA: Energy usage in buildings of the National Building Regulations.

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

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NOTICE 324 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

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SCHEDULE

Agrément Certificate 2012/417

Name of product: Eco-Build Sandbag Building System

Certificate holder: Ecobeam Technologies cc

Description:

Eco-Build Sandbag Building System is a timber frame structure consisting of timber lattice beams (Eco-Beam) as vertical and horizontal studs and wall plates with sandbags as infill. The Eco-beams are fabricated from 38 mm square treated timber sections (**SANS 10005**) connected by continuous galvanised steel straps which zigzag between the timber to form a lattice beam 220 mm deep.

The foundation and ground floor slabs are conventional concrete strip footing and surface bed with screed finish which are always the responsibility of a professional engineer.

The walls are 270 mm thick and constructed by fixing vertical Eco-beams (columns/studs) spaced at 900 mm centres to top and bottom Eco-beams (wall and sole plates). Bags made from UV protected non-woven polypropylene fabric are filled with sand and packed in between the studwork up to the wall plate. Each layer compacted slightly. The walls are finished by securing steel wire mesh on both sides of the frame and plastering with conventional sand-cement plaster.

At the corners or junctions the walls are reinforced with 6 mm diameter steel wire mesh at least 300 mm in length on both sides of the corner or junction. At window and door openings timber frames are built between Eco-beams with wire ties to restrain adjacent studs from buckling. Lintels are formed with welded steel wire mesh fixed to studs on both sides of the opening.

Electrical and plumbing services are positioned in place within the bags before the application of plaster. The roof is constructed of eco-beams, timber rafters or conventional timber trusses and light or heavy weight cladding. Window and door frames are incorporated as in timber frame structures and 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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PRETORIA

NOTICE 325 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 21 November 2012, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2012/419

Name of product: EcoTanks Water and Liquid Storage Tanks

Certificate holder: Ecopolymers cc t/a EcoTanks

Description: The EcoTanks Water and Liquid Storage Tanks are rotary moulded tanks. The material varies from 2.5 mm to 12 mm, depending on the volume and intended use of the tank.

Where appropriate, tanks are manufactured from UV stabilised or colour compounded food grade materials. Depending on the application (indoor or outdoor), the inside of the tanks are lined with an algae inhibiting black layer.

They are available in liquid capacities as illustrated in Tables 4 and 5 of the certificate..

Tanks are generally green in colour but are also available in other colours and are supplied with the following standard fittings depending on the application:

- a 50 mm, 40 mm or 20 mm diameter connector at the bottom
- an inlet on top (side) with a 50 mm, 40 mm or 20 mm diameter fitting (female) and or
- a 50 mm or 32 mm diameter overflow and
- a 450 mm diameter lid on top of the tank which may also have a leaf trap

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

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NOTICE 326 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 27 June 2012, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE**Agrément Certificate 2012/406**

Name of product: Harmili Building System

Certificate holder: Harmili Trading (Pty) Ltd

Description: The Harmili Building System is a combination of innovative and conventional construction method. It is a single storey structure that utilises factory produced panels.

Walls are 2400 mm × 1200 mm × 110 mm thick lightweight interlocking sandwich panels comprising a polyurethane (PU) core with minimum density of 37 kg/m³ encapsulated in two layers of 9 mm thick fibre cement boards. The system incorporates a 0.8 mm galvanized light-weight steel frame design in accordance to **SANS 517**.

The walls are finished with waterproof skim plaster and joints are sealed with a silicon based sealant. The panels are delivered on site with factory fitted window and door frames, electrical conduits and plumbing inserted.

All the foundations are designed by a professional registered competent engineer. The roof is constructed from standard lightweight steel trusses clad with metal sheeting, concrete roof tiles or Agrément approved cladding. Plumbing and electrical components are conventional and are pre-fixed into the composite panel prior to erection.

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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NOTICE 327 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

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SCHEDULE

Interim Agrément Certificate 2012/

Name of product: Khaya Readykit Building System

Certificate holder: Khaya Readykit (Pty) Ltd

Description: Khaya Readykit Buildings are designed and erected on site under the control of a professional engineer or approved competent person who:

- ensures the structural integrity of the entire building
- adhere to the requirements of this certificate

The Khaya Readykit Building System consists of:

- 450 mm x 200 mm concrete strip foundations with conventional foundation walls constructed of 190 mm wide hollow concrete masonry and conventional surface beds or conventional surface beds with thickened edge beams
- factory produced timber wall panels which incorporate window and door frames. Panels are transported to and erected on site and finished in 25 mm thick plaster applied to a fibreglass mesh and underlay stapled onto each face of the frames
- conventional timber roof supporting either light- or heavy-weight roofing coverings
- conventional services

Ceilings are always installed in the southern coastal condensation problem (SCCP) area. Ceilings may be insulated.

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

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NOTICE 328 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

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SCHEDULE

Agrément Certificate

2012/414

Name of product: LEPA Building System

Certificate holder: LWP Holdings (Pty) Ltd

Description: The LEPA Building System consist of:

- foundations which are cast in-situ and comprises of concrete surface bed and thickened edge beams cast on a damp proof membrane. All foundations are designed by a professional engineer.
- external walls which are 150 mm - 180 mm thick and comprise of expanded polystyrene (EPS) beaded concrete core with a dry density of 650 kg/m³ encapsulated on both sides with a 4,5 mm calcium silicate board. Walls are fixed together using interlocking tongue and groove method between the panels.
- internal walls which are 120 mm thick and comprise of the same material as the external wall.
- a roof made from light gauge, structural steel or timber trusses and clad with lightweight or heavyweight cladding.

Insulated ceilings must always be installed and can be gypsum plasterboard, fibre-cement boards, isofoam boards or 30 mm thick Lampboard (polyisocyanurate foamed board coated both sides with impregnated fibre-glass tissue) installed in accordance with the manufacturers instruction.

Windows and 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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SCHEDULE

Agrément Certificate 2012/414

Name of product: Oceansafe Building System

Certificate holder: Exelis Development (Pty) Ltd

Description: The Oceansafe Building System is a combination of innovative and conventional construction method. It is a single storey structure that utilises factory produced wall and roof panels. Walls are 2400 mm x 1200 mm x 150 mm thick lightweight sandwich panels comprising a polyurethane (PU) core encapsulated in two layers of 15 mm thick Magnesium Oxide (MgO) board.

Foundations are cast in-situ concrete surface bed with thickened edge beams. They are in all cases designed by a professional engineer or a competent person.

The roof panels are the same material as the wall panels and are clad externally with light or heavyweight cladding.

Alternatively insulated roofs are conventional.

Windows are "clisco" type frames and door frames are made of galvanised pressed steel.

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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SCHEDULE

Interim Agrément Certificate 2012/411

Name of product: PlasterMax Interior Coating System**Certificate holder:** GigaCrete Inc.

Description: The PlasterMax Interior Coating System is a one coat two pass application 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, interior surfaces as follows:

- sand-cement plaster
- cast *in-situ* concrete/ precast concrete
- gypsum and fibre cement boards

The PlasterMax Interior Coating System is a natural limestone wall coating with fibreglass mesh between the two passes and it is available in 34 kg bags. It is mixed on site before application and it is applied using a hand trowel or spraying pump.

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

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AGRÉMENT SOUTH AFRICA**

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SCHEDULE

Agrément Certificate 2012/408

Name of product: PRO-PHALT INFRARED ROAD REPAIR SYSTEM

Certificate holder: Pro-Phalt SA (Pty) Ltd

Description: The Pro-Phalt Infrared Road Repair System is used to repair bituminous surfaces on roads 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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NOTICE 332 OF 2013**DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

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Notice is hereby given that Agrément South Africa has, with effect from 27 June 2012, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE**Agrément Certificate 2012/**

Name of product: AMSA's Protea Building System

Certificate holder: Arcelor Mittal South Africa Steel Service Centre (Pty) Ltd

Description: AMSA's Protea Building System is constructed with flexible components entirely prefabricated in factories and assembled on site.

The walling is made up of insulated polyurethane sandwich panels, connected together with structural steel flashings and other accessories.

The wall panels consist of 0.63 mm thick steel sheeting ribbed (trapezoidal, micro-ribbed) shaped surface on the exterior and 0.50 mm steel sheeting ribbed (trapezoidal, micro-ribbed) shaped surface on the interior, encapsulating 60 mm thick polyurethane core. The roof is made of similar panels to wall panels but with external steel sheeting of trapezoidal ribbed surface shape and polyurethane foam of 40 mm thick. The internal face of external walls is lined with a 15mm layer of fire stop board.

The foundation and floor slab are conventional and are always the responsibility of a registered professional engineer. Window and door frames are purposely made to suite the design of the building. 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>

Copies are obtainable from: Chief Executive Officer (CEO)
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Notice is hereby given that Agrément South Africa has, with effect from 21 November 2012, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE**Agrément Certificate 2012/425**

Name of product: Spunsulation Illumina Roofing Radiant Barrier

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

Description: The Spunsulation Illumina Roofing Radiant Barrier is manufactured from white pigmented ultraviolet (UV) light resistant and non-toxic flame retarded non-woven spunbond polypropylene and aluminium foil laminated on one side with polyolefin laminating layer. The layers are laminated by means of a homogenous polyolefin based film web to the aluminium foil bottom layer. The membrane has a weight of 182 g/m² with a thickness of between 0,46 mm to 0,50 mm. It is supplied in rolls of 30 m long and 750 mm or 1,5 m wide.

Spunsulation Illumina Roofing Radiant Barrier is suitable for installation in industrial buildings used in conjunction with timber or steel roof construction with concrete roof tiles or galvanised sheet steel cladding, provided that fire sprinkles are installed. 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 as stated in this certificate it can:

- reduce air leakage.
- reduce ingress to the roof space of wind-driven rain and dust.
- reduce the chance of the tiles being blown off by the wind in case of the tile roof.

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, 0001, **PRETORIA**

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SCHEDULE

Interim Agrément Certificate 2012/410

Name of product: StuccoMax Exterior Coating System**Certificate holder:** GigaCrete Inc.**Description:**

The StuccoMax Exterior Coating System is a one coat, two pass application 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 surfaces as follows:

- sand-cement plaster
- cast *in-situ* concrete/ precast concrete
- prepared gypsum and fibre cement boards

The StuccoMax Exterior Coating System is a wall coating with fibreglass mesh between the two passes and it is available in 34 kg bags. It is mixed on site before application and it is applied using a hand trowel or spraying pump.

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 2012/416

Name of product: Supreme Homes Building Systems

Certificate holder: Supreme Glass & Aluminium cc

Description: The Supreme Homes Building System consists of conventional concrete foundation and surface bed. External and internal walls are timber frame structures constructed and designed in accordance with **SANS 10082** and **SANS 10163-1** respectively. External cladding is 25 mm to 30 mm thick plaster on a fibre glass mesh and under-tile membrane. Roof trusses are conventional timber with light or heavy-weight cladding. The design engineer should ensure that the roof and roof cladding are in accordance with SANS 10082. Insulated ceilings are always installed in the southern coastal condensation problem (SCCP) area. All the 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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SCHEDULE**Agrément Certificate 2012/407**

Name of product: UCO Solidwall Building System

Certificate holder: United Fibre Cement Company (Pty) Ltd

Description: The UCO Solidwall Building system consists of a cold rolled light gauge steel frame that is designed and erected in accordance with **SANS 517**.
The frames are usually between 2.4 m to 3 m high and studs placed at 600 mm or as determined by the design engineer. The frame is manufactured from 0.8 mm thick galvanised steel lipped channel with dimensions 90 mm x 41 mm x 9.6 mm.
The external and internal composite walls comprise of a 6mm UCO Flexabord (fibre cement board) on both sides encapsulating an EPS beaded concrete core infill with a density of 900kg/m³. The overall thickness of the composite wall is 102 mm thick.
Doors and window frames can either be galvanised steel, aluminium or timber.
The roof trusses are constructed from light gauge galvanised steel channel sections with light or heavy weight cladding.
The walls are finished with a layer of Gamma Trowel-On plaster, 1.1 mm - 2.4 mm thick on both sides.
All other services are conventional and conduit holes are pre-drilled in the frame.
The foundations and the floor slab are conventional and are always the responsibility of a registered competent professional engineer.

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 2012/420

Name of product: Valamanzi Coating System

Certificate holder: Optima Coatings (Pty) Ltd

Description: The Valamanzi Coating System is a two-coat application 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 surfaces as follows:

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

The Valamanzi Coating System is a two coat ready-to-use, water-based flexible acrylic emulsion wall coating. It is available in a range of colours and packaged in 5 litre and 20 litre containers. It is thoroughly stirred on site before application. It is applied using a 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>

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SCHEDULE

Agrément Certificate 2011/383 (Amended July 2012)

Name of product: Vela Steel Building System

Certificate holder: Vela Steel Building System (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 cellulose fibre-cement boards (Nutek) encapsulating a 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 windows and door frames.

The foundation and floor slab are conventional and are always the responsibility of a competent person. The roof is constructed from standard light-weight 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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