AGRÉMENT SOUTH AFRICA

innovative construction product assessments

Annual Report 2009

CELEBRATING 40 YEARS 1969-2009

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Agrément South Africa
Enabling the introduction of innovation into markets, and minimising associated risks.

Mandate
Established by the Minister of Public Works in 1969 as an independent organisation to bring impartial judgement to the evaluation of innovative construction products and systems in the interest of the consumer.

Business purpose
The certification of non-standardised construction products and systems through technical assessment as being fit-for-purpose.

National relevance
An internationally acknowledged, independent South African agency that serves construction communities nationally by providing specifiers, regulators, financial institutions and users with the assurance that products are fit-for-purpose.

Internationally affiliated
Member of the World Federation of Technical Assessment Organisations (WFTAO).

CELEBRATING 40 YEARS 1969-2009

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MINISTER'S FOREWORD

Geoff Doidge
Minister of Public Works

With Agrément South Africa reaching its fourth decade of existence, its value and strategic role in the fight against poverty have never been greater. As we seek to create a better future for all, decent work opportunities, quality education, access to good quality healthcare, building safer communities and enhancing rural development, the role of innovative technologies in fast tracking these challenges is immense. We note with great enthusiasm the potential of innovative technologies, which can achieve modern, advanced methods of construction that can result in faster, cheaper and improved structures for all. We are proud of the tremendous contribution by Agrément South Africa to the local construction industry and beyond, especially in assisting local manufacturers in their export drives. Most of these South African companies export their products to other countries based on the strength of their Agrément certification.

The Department of Public Works notes the very successful hosting of the 13th annual meeting of the World Federation of Technical Assessments Organisations (WFTAO) held in Pretoria during September 2008. This event was well organised and lauded as the best ever annual meeting in the history of the WFTAO. The Department is therefore proud of the event organised by the Agency's technical team led by the CEO, Mr Joe Odhiambo. This important event brought together representation from sister technical assessment agencies from other parts of the world, for discussions on technical matters of mutual interest. The meeting offers a platform for exchange of information and building synergies that enhance the importance of non-standard methods of construction globally.

The recent growth in the adoption and use of innovative construction is extremely welcomed by the Department. This has been long outstanding and the Department is pleased by the use of non-standardised construction, especially by the national and some provincial departments of Housing, Health and Education. These non-standardised construction techniques bring great improvements and benefits to the users and the nation as a whole. Most of the technologies adopt labour-intensive construction techniques and thereby contribute towards job creation. Several of the products have superior thermal performance in comparison with standardised construction and hence these systems contribute towards sustainable development. We are therefore proud of the role of the Agency in contributing towards economic development, growth of the national economy as well as transformation of the construction sector in the country.

The current global economic downturn offers opportunities for South Africa to develop appropriate technologies making use of locally available materials. In this regard the Agency has done remarkably well, with several home-grown products achieving international acceptance. This illustrates the positive role that Agrément South Africa plays in supporting the national government in achieving its goals.

The Department notes with great appreciation the 18 certificates awarded during the year, which is three more that the preceding year and significantly higher that the average of 12 it achieved in its four decades of existence.

The Department notes the excellent management and oversight responsibility of both the CEO, Mr Joe Odhiambo, as well as the members of the Board led by the Chairperson, Mr Pepi Silinga. The extremely high standards achieved by the entity are proof of great leadership and is appreciated by the Department. The new year will see the culmination of establishing Agrément South Africa as a separate legal entity; this will enable the Agency to perform even better than the current high standards it has attained.

The Department is proud of the role Agrément South Africa has in making a real difference in the lives of many people. Agrément-certificated products have the potential to change the construction industry in South Africa, resulting in a better life for our people. This will create new opportunities for South Africans, and thereby result in a united nation at peace with itself and hopefully also with less crime.

In conclusion, let me thank one and all involved in ensuring such an excellent year for Agrément South Africa.

Mr Geoff Doidge, MP
Signed Honourable Minister of Public Works

CHAIRPERSON'S REVIEW

Mr Pepi Silinga
Chairperson

The year under review was one of the most remarkable ones for the Agency as it approaches its fourth decade of existence. The newly-selected members of the Board worked tirelessly in their oversight role and their dedication resulted in great achievements for Agrément South Africa. The year under review saw the strengthening of the support for Agrément South Africa from the national government represented by the Department of Public Works. There were several engagements between the members of the Board and the Department of Public Works. The members of the Board continued to ensure that the Agency was well managed and that all the staff members enjoyed a democratic, supportive and highly conducive working environment.

Early in the year under review the Board formed two additional sub-committees in addition to the long-standing Technical committee. These were the Human Resources and Remunerations sub-committee as well as the Audit and Finance sub-committee. The formation of these sub-committees enhanced the efficiency of the Board in its oversight role.

The Human Resources and Remunerations sub-committee is chaired by Mr Twedi Seane from the South African Bureau of Standards. The sub-committee held regular meetings and reviewed the operational policies of the Agency. The sub-committee encouraged staff to enhance their skills level by attending appropriate training courses, both specially-designed short-term in-house courses as well as longer term tertiary-based training. Overall, the sub-committee was satisfied that the human resources and remunerations of the Agency were well managed.

The Audit and Finance sub-committee is chaired by Ms Nozibusiso Shabalala from KwaZulu-Natal. The sub-committee focused on overseeing the financial and operational activities of the Agency. The sub-committee met regularly and conducted a risk management assessment of operations during the year. The financial audit is a prerequisite for statutory bodies by the office of the Auditor-General, who returned a clean audit report that is consistent with past performance. Overall, the sub-committee was extremely satisfied with the strict financial management and audit performance of the Agency.

The technical sub-committee of the Board is chaired by Mr Mike Marler. The sub-committee continued in its key role of overseeing all the technical assessments. From a total of 20 submissions during the year, 16 evaluation offers were accepted while a record number of 18 Agrément South Africa certificates were awarded. The Technical sub-committee continued in its drive to transform the technical experts and was largely successful in achieving great strides to ensure its plans as well as implement succession planning in order to replace members who are not so young. From a technical perspective, the year under review was one of the most successful in the history of the Agency.

In its oversight role, the Board continues to discharge its mandate through the technical agency. The Board is pleased to see the current surge of interest in non-standard, advanced and improved methods of construction gaining prominence in the country. The members of the Board are also delighted with the great support the Agency enjoys from government departments like the Department of Public Works, Department of Housing and of Education, as well as statutory bodies like the Construction Industry Development Board, the Independent Development Trust, the Council for the Built Environment, the National Home Builder Registration Council, the South African Bureau of Standards, the South African Local Government Agency and building control officials throughout the country.

The excellent work of the Agency would not have been possible without the enthusiastic support of the executive of the national Department of Public Works. The former Director-General, Mr Manye Moroka, supported the former Honourable Minister of Public Works, Ms Thoko Didiza, MP, in steering the Agency to unprecedented heights. The current acting Director-General, Mr Solly Malebye, together with the Honourable Minister of Public Works, Mr Geoff Doidge, who was appointed on 26 September 2008, continued the excellent work of guiding and supporting Agrément which has resulted in exceptional performance. The Minister of Public Works steered the drafting of legislation for the formal creation of Agrément as a separate legal statutory body for the technical assessment of non-standardised construction products.

In conclusion, I wish to thank the enthusiastic and dynamic Board members, as well as the various sub-committees, for their tireless and effective contributions in setting the strategic direction of the Agency. I would also like to thank the strong technical agency under the competent leadership of the Chief Executive Officer, Mr Joe Odhiambo, for continued excellent work resulting in the most successful performance of the Agency in its almost four decades of existence.

We look forward to the new year and will be ready to support the national government in its fight against poverty by playing a strategic role in facilitating the safe introduction of innovative, efficient, sustainable, modern and improved methods of construction in South Africa. This will result in the betterment of the people's livelihood by improving service delivery, especially to the most needy of our people.

Pepi Silinga
Chairman

Agrément South Africa Annual Report 2008

40 YEARS

BPB Gypsum (Pty) Ltd: Rhinowall Walling System

BOARD MEMBERS

Mr M Silinga (Chairperson)

Mr M Marler

Mr L Moshe

Ms N Ngcobo

Mr SM Seane

Dr MS Tayob

Ms MKE Choma

Ms N Shabalala

Mr EJ Kruger

Mr CM Noyana

Mr S Malebye

CORPORATE GOVERNANCE REPORT

Introduction

With respect to corporate governance, the Board has concerned itself with the organisational arrangements put in place to provide an appropriate set of checks and balances within which management and the Board can operate.

The objective has been to ensure that those whom the principal stakeholders entrust with the direction and success of the organisation, act in the best interests of these stakeholders.

The Board of Agrément South Africa has done this by ensuring that its processes and practices are reviewed on an ongoing basis to ensure adherence to good corporate governance practices.

The members of the Board believe that the Board has substantially applied and complied with the principles incorporated in the Code of Corporate Practice and Conduct as set out in the King Report on Corporate Governance for South Africa as well as the Protocol on Corporate Governance in the Public Sector - 2002.

Stakeholders

As a national Board, established in terms of the act governing the Department of Public Works as amended, the Board recognises and acknowledges the interest of government and other stakeholders, including employees, creditors, certificate holders, suppliers, manufacturers and other interest groups.

The Board regularly communicated with all stakeholders on material matters of significant interest and concern. The information furnished to stakeholders conforms to the criteria of promptness, openness, substance over form, relevance, clarity, effectiveness, transparency and objectivity.

Governing Bodies

The Board

The Board comprises 11 non-executive members and the agency's Chief Executive Officer. The members, who qualify for remuneration, receive fees for their services to the Board and Board Committees. The amounts below include payments for attending board meetings and travel reimbursements, i.e. kilometres that the Board members claim back as reimbursements when attending meetings. The amounts below are inclusive of all tax. i.e. the amount below is an equivalent of costs towards the Board. Details of the members' emoluments appear below.

Full Board Meeting: Board member:	Members' emoluments in Rand:
Ms MKE Choma	14,583.50
Mr EJ Kruger	Nil
Mr S Malebye	Nil
Mr M Marler	25,726.40
Mr L Moshe	16,629.00
Ms N Ngcobo	29,240.15
Mr CM Noyana	8,799.72
Mr SM Seane	28,479.00
Ms N Shabalala	28,227.00
Mr P Silinga (Chairperson)	19,164.00
Dr MS Tayob	25,731.91

The Board meets at least once a quarter and retains full control over the entity as the accounting authorities in terms of the Public Finance Management Act of 1999 as amended.

Subsequent to the end of the year, one (1) Board member was not able to attend the Board and Board committee meetings. The Board was able to continue its operations as the remaining members constituted the required quorum for binding decisions by the Board.

Role of Chairperson and the Chief Executive

The role of the Chairperson of the Board in conjunction with his fellow members is the responsibility for strategic direction and policy formulation.

The Chief Executive is responsible for implementing the strategy and policy as well as effective and transparent management.

Board Committees
A number of committees have been established to assist the Board in discharging its responsibility.

Audit and Risk Committee
The Audit Committee is currently chaired by a non-executive person and comprises four non-executive members of the Board. The committee is looking at inviting two independent members from the private sector.

The committee is convened in accordance with the charter, confirmed by the Board, which includes accounting, auditing, financial reporting, corporate governance and internal audit issues.

During the current year, the audit committee met five times and dealt with specific matters that the Board is following up on. The Table below shows attendance at these meetings.

Audit and Risk Committee meetings: Board member:	Number of meetings attended:
Ms N Shabalala (Chairperson)	5
Dr MS Tayob	5
Ms N Ngcobo	2
Mr S Malebye	2
Ms K Choma	1

Human Resources and Remuneration Committee
The Committee is chaired by a non-executive member of the Board and comprises five members. The CEO and the Manager Human Resources regularly attend these meeting.

The Committee meets quarterly and deals with human resource related matters The Table below shows attendance at these meetings.

HR Committee Meetings: Board member:	Number of meetings attended:
Mr SM Seane (Chairperson)	4
Dr MS Tayob	2
Mr L Moshe	3

Technical Committee
In total five Technical Committee meetings were convened during the year under review. Three Board members are required to form a quorum for this committee. The chairperson or his alternate would be present at each Technical Committee meeting while the remaining two Board members are invited based on their technical skills and availability. In addition to the Board members, technical experts, depending on the nature of the draft certificates submitted for approval or the technical issues being considered, are invited to participate. The Table below shows the attendance of these meetings.

Technical Committee meetings: Board member:	Number of meetings attended:
Mr M Marler (Chairperson)	4
Mr EJ Kruger (Alternate Chairperson)	4
Ms N Ngcobo	3

Schedule of Board meeting attendance

The Board convened 5 times during the year, held a strategic planning session and presided over the open day of the WFTAO meeting on 22 September 2008.

The Table below shows the attendance of the Board members at the Board meetings referred to above.

CORPORATE GOVERNANCE REPORT (cont)

Full Board Meeting: Board member:	Number of meetings attended:
Ms MKE Choma	2
Mr EJ Kruger	3
Mr S Malebye	3
Mr M Marler	4
Mr L Moshe	4
Ms N Ngcobo	4
Mr CM Noyana	2
Mr SM Seane	4
Ms N Shabalala	4
Mr P Silinga (Chairperson)	3
Dr MS Tayob	3

Public Finance Management Act

As a National Public Entity, Agrément South Africa operates within the ambit of the PMFA of 1999, as amended. The Board embraces the principles of such legislation and intends to be an entity that is commended for compliance with this Act.

Materiality and Significance Framework

For the purposes of determining materiality, the Board has considered the two aspects relevant , namely, quantitative and qualitative.

Quantitative

The Board has assessed the levels of material loss and significance as follows:

- Any amount in respect of criminal conduct;
- Any amount in respect of irregular, fruitless and wasteful expenditure involving gross negligence.

The Board is in the process of further testing any irregular, fruitless and wasteful expenditure;

Qualitative

The Board has also been alerted to the possibility of misstatements that are large; either individually or in aggregate that may affect a reasonable user's judgement, or small, which may affect a user's judgement because of their nature. No grounds for concern were found?

Risk Management

The Chief Executive Officer, as mandated by the Board, has established systems of internal control to manage significant risks. The systems support the Board in discharging its responsibility for ensuring that the wide range of risks associated with its operations is effectively managed in support of the legal mandate of the Board.

To this end, the Board has established a Risk Management Policy and is in the process of establishing a Fraud Prevention Policy.

The risk management strategy will be used to direct the internal audit effort and priority.

There will be clear accountability for risk through the risk plans that assign an accountable person.

The system of internal control that will be embedded in all key operations provides reasonable rather than absolute assurance that the Board's business objectives will be achieved within the risk tolerance levels defined by the Board.

Internal Audit

Through the Agency and its services, the Board has an internal Audit function. The Audit committee is currently working on the relationship with the internal Audit with the objective of ensuring that both parties understand their duty for compliance.

The risk-based audit plan is also in its planning stages and will be based on the risks emerging from the risk management

process. It will be updated annually based on the risk assessment and results of the audit work performed, ensuring that the audit coverage is focused on identified areas of high risk. The internal audit function will be coordinated with other internal and external providers to ensure proper coverage and optimise efforts.

Code of Ethics

The Board's mission is to ensure the viability and integrity of Agrément SA by fostering professionalism, efficiency and corporate governance. To ensure that this is achieved, the Board encourages staff to apply best practice in all operations and relations with one aother and stakeholders. A code of Ethics is being prepared and is due to be tabled before the Board for approval.

Sustainability

The Board's strategy is to achieve social investment and empowerment through the certificate process by monitoring commitments of the certificate holders.

Non-Financial Information

The Board appeared before the Parliamentary Committee and has learnt much from the Committee members after presentations.

MANAGEMENT REPORT

Mr Joe Odhiambo
CEO

Agrément South Africa takes pleasure in submitting to the Honourable Minister of Public Works the annual report, audited and Board-approved financial statement for the 2008/2009 financial year. The Agency would like to thank the former Minister of Public Works, Honourable Ms Thoko Didiza, MP, for her leadership and strong support of the Agency. We welcome the current Minister of Public Works, Honourable Mr Geoff Doidge, MP, for his strong support of Agrément South Africa.

Introduction

Agrément South Africa was established in 1969 and has been very active in South Africa the past 40 years. Agrément operates under a mandate from the Minister of Public Works. The current mandate has undergone vigorous review by the Policy Unit of the Department of Public Works, together with the State Legal Advisor. The review resulted in the drafting of a legislative process that will lead to Agrément South Africa being created a separate legal statutory body. This will enhance the Agency's ability to deliver even better services, of great benefit to the country and region.

Highlights of Agrément South Africa's achievements as it approaches the key milestone of four decades include:

- Ongoing human resource capacity development, resulting in improved quality technical outputs by the technical agency;
- A record number of products successfully achieving Agrément certification. The increase in the year under review was 100% above the average of the number of products granted by Agrément during the history of its existence;
- Improvements in laboratory equipment, thus creating an opportunity for staff members to improve their competence by undertaking practical technical assessments in-house rather than at external private laboratories as was the case previously;
- Recruitment of highly-skilled and experienced technical staff members who have greatly supported the Agency by skills transfer to colleagues;
- Improved turn-around time for technical assessments has resulted in enhanced quality of service to clients;
- The introduction of some in-house testing has resulted in a great reduction in the total costs of technical assessments paid by applicants for certification;
- The very successful hosting of the 13th annual World Federation of Technical Assessments Organisations (WFTAO) meeting held in Pretoria, Gauteng from 22 September to 2 October 2008. The theme of the conference was 'Green buildings and sustainable building products'.

Agrément South Africa carries out technical assessments of innovative, non-standard construction products, building systems, roads and related infrastructure products. To this end, Agrément does performance testing of products submitted to it by applicants who have developed the products. Agrément uses the globally-accepted methodology of first developing appropriate testing criteria for assessing innovative products. The products are then assessed in accordance with the assessment criteria. Should the tests be successful, the client qualifies for an Agrément certificate once the product is approved by the Technical committee of the Board. This

globally-accepted testing protocol is a rigorous and comprehensive assessment, which covers a wide range of aspects resulting in a truly reliable product. Innovative systems lead to improvements in construction by often introducing better, quicker and cheaper methods of construction.

The year under review saw the Agency achieving its best annual performance in its four decades of existence. The Agency enhanced its support of the national department as an implementing agency for the Department of Public Works. The greatest achievement was the successful testing, approving and awarding 18 certificates by the Board of Agrément South Africa. This achievement is even greater due to the fact that it was achieved without any increase in either financial or human resources.

The members of the Board played a key oversight role, while the executive within the Department of Public Works provided a clear, strategic direction. The Agency interacted with the Parliamentary Portfolio Committee of the Department of Public Works about the operations of the Board of Agrément South Africa. The Parliamentary Portfolio Committee showed great enthusiasm in the strategic role played by Agrément South Africa and whole-heartedly supported the Agency's vision 2015 and the creation of the Agency as a separate legal entity.

The year under review saw the Chairperson, Mr Pepi Silinga, leading the other members of the Board by strengthening their role. This resulted in excellent performance. During the year under review the technical agency as well as the Board conducted strategic planning sessions. The Board's session was held early in the year under review, in April 2008. This laid the foundation for the development of a comprehensive three-year plan for the 'Agrément of the future', and vision 2015 for the Agency. The technical agency conducted strategic planning sessions in November 2008 as well as in February 2009. The results of these were several recommendations for improvements in the operational environment. These recommendations will be fed into the legislative framework for the Bill for the creation of Agrément as a separate legal public entity.

Certificates

During the year under review, the Agency received and accepted a total number of 20 formal submissions for technical assessments. A record number of 18 certificates were granted, bringing the total number of valid certificates to 169. In Agrément's four decades of existence, a total of 833 applications for certification have been received, and a total of 482 certificates have been approved and awarded by the Board.

Dissemination of information and development of technical assessment criteria

During the year under review the Agency hosted the 13th annual general meeting of the WFTAO. The highly successful meeting was officially opened by Honourable Deputy Minister of Public Works, Mr Ntopile Kganyago. At the official opening, the Minister re-affirmed Agrément's strategic role, stating, "We will increasingly need this organisation to work even harder in procuring and popularising these materials and building systems. We know that these provide an alternative to conventional ones in terms of costs, job opportunities for local communities and efficiency". The evenly was attended by over 150 local and international delegates from a total of 15 different countries, and was addressed by several high profile local and international presenters.

The Agency keeps a broad-based target market of 3 000 stakeholders in the construction industry to whom it disseminates relevant information on its activities. The development of performance-based technical assessment criteria and a technical guideline document for cold mix-asphalt continued during the year. The Agency is confident the criteria will be finalised in the preceding financial year. The cold mix-asphalt will be the fifth guideline in a series prepared for the roads sector of industry.

Quality Management System

The Agency places great emphasis on the strict adherence to quality management within its operations. This has resulted in strict project management principles being introduced. The Agency also conducts quality audits on the applications for technical assessments as part of its technical evaluations. The periodic audits carried out on the certificate holders resulted in clean audit reports. Where any minor findings were identified, the Agency conducted follow-up audits and sorted out the anomalies. The overall quality management of Agrément certificated systems or

MANAGEMENT REPORT (cont)

products by certificate holders were found to be acceptable during the year under review.

Human resource development

Agrément continued in its quest to enhance the development of its human resources in line with the national initiative to improve technical skills in the country. The organisation has several highly competent, well-skilled and motivated staff. During the year under review the Agency engaged three new bursars. They are Amogelang Ngoepe, Relebohile Mahapa and Lerato Mawela, who are currently finalising their tertiary education. The Agency also recruited Professor Walter Burdzik as a Structural Expert, Ramona Singh to serve as Board Secretary and Chuma Makeleni as Marketing and Communication Specialist. Masivuye Ntantala left to join a project management organisation in Johannesburg. Rofhiwa Tshidino completed his BTech studies at the Tshwane University of Technology.

The organisation pays much attention to staff training; currently Brenda Maripane, Rofhiwa Tshidino, Lennox Makwedini, Benson Wekesa, Mary Mabuse and Chuma Makeleni are undertaking various courses at tertiary institutions, including for Bachelor's, Master's and doctoral degrees. The organisation continues to provide several structured in-house courses to improve competence and enhance technical skills.

Support offered to other role players

Agrément South Africa continued in its quest to support other role players in the construction industry in South Africa. During the strategic planning session it was identified that building control officials played a key role in approving building plans at local authority level. The Agency decided to be proactive and engaged several local authorities by giving presentations and developing synergies in the area of technical assessment of innovative construction. The benefit of this is the promotion and enhancement of knowledge relating to innovative construction.

Support of the national building regulation

The Agency continued its support of the application of the national building regulations. All Agrément certificates make reference to the clauses in the national building regulations which are deemed to be satisfied. Agrément staff members take a holistic approach when carrying out technical assessments. The robust and thorough assessment criteria result in a comprehensive, reliable and highly-recognised certification product. This provides credibility to the certification, making them widely accepted as proof of fitness-for-purpose. The use of Agrément-certificated products is made provision for in the South African National Standards. All building control officials in all local authorities accept Agrément certificates throughout the country as well as in several countries in the world. This allows engineers, architects, designers, builders, building control officials and other stakeholders to specify, use, approve and promote Agrément certified products as these have been proved, tested and certified as being fit-for-purpose.

Maintenance of international links and facilitation of exports from south africa

Agrément South Africa continued to maintain strong links with peer organisations. These links provide leverage for the construction industry in its exports drive. In the year under review the Agency continued to play a role in the Association of Southern Africa Roads Agency (ASANRA), where the CEO is the current chair of the technology transfer committee. Several countries have accepted Agrément certification as valuable technical supporting documents and holders of Agrément certificates find that their certificates help in promoting their products in foreign countries. Many certificate holders confirm that they are often awarded projects on the strength of their Agrément certificates. During the year under review, members of the technical agency had interactions with peers from the United States of America, Canada, Britain, Ireland, Korea, Norway, Spain, Poland, the Czech Republic, Japan, Australia, New Zealand, France and Denmark as well as several organisations in the Southern African Development Community countries. The interactions were for mutual benefit and provided a useful platform for information exchange,

sharing of experience and developing synergies for mutual benefit.

Conclusion

In conclusion, the Agency would like to thank the former Director-General of Public Works, Mr Manye Moroka, and the former Minister of Public Works, Honourable Ms Thoko Didiza, MP, for their leadership and support. The Agency also welcomes the current Minister of Public Works, Honourable Mr Geoff Doidge, MP, who has continued with the strong leadership and support of the Agency while being ably supported by the current acting Director-General, Mr Solly Malebye. The Agency would also like to thank the strong support from members of the inter-governmental relations department led by Mr Adam Mthombeni, supported by Mr Muzi Njoko, Ms Tebogo Mashifane and Ms Nomfundo Qiqimana. The Agency also appreciates the strong support from the members of the Board, led by the Chairperson, Mr Pepi Silinga, which enabled the Agency to perform its mandate. This strong support led to the outstanding performance of the Agency in the financial year 2008/2009.

List of Agrément certifcates

Bath

Vesta ABS Co-extruded Baths - 2003/301

Bathroom and Toilet Units

Cemforce Easy Loo Urine Diversion Toilet System - 2003/300

Cemforce Easy Loo VIP Toilet System - 2003/299

Bridge Deck Joints

BSP 40 Bridge Deck Expansion Joint - 2004/308

BSP 80 Bridge Deck Expansion Joint - 2004/309

Honel E80 Bridge Deck Expansion Joint - 2004/311

Honel GAM 80 - 480 Series Bridge Deck Expansion Joint - 2004/312

Maurer D80C (FP) Bridge Deck Expansion Joint - 2004/306

Maurer Multi-element Bridge deck expansion Joint - 2004/307

Thormajoint Bridge deck Expansion Joint System - 2004/305

Thormajoint Bridge Deck Expansion Joint System - DSC - 2002/293

Ceilings

Supalite Ceiling Board - 2001/286

Concrete: Additives

Moladichem - 94/231

Oxyfibre - 2000/282

Damp-proofing

Gundle Gunplas DPC 250 - 2001/284

Gundle USB 170 GB damp-proof membrane - 2001/285

Gundle USB 170 GB under surface-bed membrane - 2000/283

Insulation

Isoboard® Cavity Wall Insulation - 2000/276

Isoboard® Inverted Roof Insulation - 2000/277

IsoBoard® Nail Up Insulated Ceilings - 2006/323

Isoboard® Over Purlin Roof Insulation - 2001/287

Isotherm Thermal Insulation - 2005/320

Plumbing

Contactim `Easytrap` Flexible Waste Traps and Fittings - 96/241

Cordrain - 92/220

DPI Plastics Freeflo New Spec uPVC Soil , Waste & Vent Pipes & Fittings - 95/233

Rib-Loc Structured Wall uPVC Pipe - 96/247

Salutron Pan Gully Combination Trap: Amendment - 2002/290

Product

Quick Sill - 2005/317

Roofing Products

Arma Tile Roofing System - 2006/321

The CMA Mono-Pitch Roofing System - 2005/315

The CMA Roofing System - 2003/302

Duroplas UT 180 Undertile Membrane - 2001/288

Easyflash - 2008/344

Gundle Gunplas UT 180 Undertile Membrane - 2000/274

Gundle Gunplas UT 250 Undertile Membrane - 2003/296

Gundle UT Woven Tile Underlay - 2007/332

Harveytile Roofing System - 91/217 (Reappraisal 1998)

Klip-Lok Roof Sheeting/Side-cladding - 96/248

Lafarge Roofing Undertile Membrane - 2004/304

Marulelo Roofing Undertile Membrane - 2008/341

Nam-Tex" White Roofing Undertile Membrane - 2006/326 (Amended August 2007)

Roofproof 400 Non Woven Undertile Membrane - 2008/340

Spunsalation Roofing Radiant Barrier - 2007/333

Compactroll Ridge and Hip Capping - 2008/343
Spunsalation 5 Roofing Radiant Barrier - 2009/353

Sanitation Products
Calcamite 1250 litre On-site Sanitary Disposal System - 94/226
Calcamite 1500 litre Liquid Capacity On-site Sanitary Disposal System - 94/228
Vaal Aquasave Low-Level Washdown Suite - 94/232 (Amended 1998)

Thin bituminous surfacing systems
Novachip - 2007/344

Wall Coatings
Africote Cement Naturals RPR Coating System - 2003/297
Africote Liquid Naturals RPR Coating System - 2003/298
Cemcrete Cemwash - 2000/278
Cemcrete Stipplecrete - 2000/279
Duoflex acrylic modified cementitious wall coating - 2003/295
Glutone Wall Coating - 2005/314
Khusela Emanzini Coating System - 2006/322
Plaster Technology Kolorcote-T 24 Hour RPR Paint Coating - 2005/318
Techfin System - 2005/313
Top Paint Waterrepellent Latex Paint - 2007/339
Unicemtex cementitious wall coating - 2003/294
Fibrecote Fibre Reinforced Plaster - 2007/338

Walling and Building Systems
Affordable Comfort Homes - 2005/319
Africon Brick Building System - 2002/292
ARUBA™ 2000 Series Building System - 2002/291
Automapolyblock Building System - 2007/336
Besa 2 Building System (Schools, Day clinics & Offices) - 2/2003
Besa Building System - OC-1/2001
Crane Building System - 2006/328
CLC Batim Building System - 2000/280
Eapro A Building Method - 97/255
Eapro M Building Method - 1997/M47
FSM Building System - 90/205 (Reappraisal 1994)
Goldflex 100 Building System - 90/201 (Reappraisal 2000)
Goldflex 800 Building System - 89/195 (Reappraisal 2000)
Goldflex 800 Seismic Building System - 2005/316
House-it Building System - 97/258
Hydraform Building System - 96/237
Imison Building Process - 2001/289
Imison Stud Column Walling System - 2004/310
Micro-concrete cladding building system - 2007/335
National and Overseas Factory Built Buildings - 89/191 (Reassessment 2000)
Portable Container Building System - 2007/337
Protea Umbono Building System: Amendment - 2006/324
Robust Building System - 99/272 (Amended July 2000)
Space Frame 2000 Building System - 89/194
Styrox Building System - 98/267
InnoBlok® (Insulating Hollow Concrete Blocks) - 2008/345
Imison 3 Building System - 2008/342
Cemforce GRC Building System - 2008/346
CMA Building Foundation Beams - 2008/350
IZOBLOK Building System - 2008/348
Tilt-Up Pre-Fabricated Building System - 2008/349
Scips™ Building System - 2006/325
Ikhaya Future House Double Storey Building System - 2008/347
Ikhaya Future House Building System - 2007/331
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Waterproofing
Derbigum SP Waterproofing - 92/219 (Reappraisal 1997)
Index Fidia `P` Roof Waterproofing - 97/261
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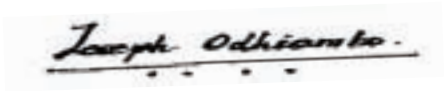


Joe Odhiambo

FINANCIAL STATEMENT

Statement of costs incurred in respect of Projects: Agrément South Africa

Period: 01 April 2008 to 31 March 2009

		Amount R	R	R
INCOME				
Grant received - Department of Public Works		7,080,660		
Private		745,036		
TOTAL INCOME		**7,825,696**	**7,825,696**	
EXPENDITURE				
Operational costs		**6,155,295**		
Manpower	4,575,295			
Running Costs	1,580,001			
Overheads Costs		**1,299,602**		
Depreciation	222,475			
Shared Service Costs	543,127			
Executive Levies	534,000			
TOTAL EXPENSES		**7,454,898**	**7,454,898**	
SURPLUS (loss)				**370,799**

AUDITOR GENERAL'S REPORT

REPORT OF THE INDEPENDENT AUDITORS ON AGREED-UPON PROCEDURES IN CONNECTION WITH THE EXPENDITURE INCURRED AND FUNDING RECEIVED BY THE CSIR FOR THE PERIOD 1 APRIL 2008 TO 31 MARCH 2009 IN RESPECT OF A CONTRACT ENTERED INTO BETWEEN THE COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH AND THE COMMISSION OF THE DEPARTMENT OF PUBLIC WORKS, WITH REGARDS TO AGREMENT SA.

We have performed the procedures agreed with you and described below in connection with the expenditure incurred by the Council for Scientific and Industrial Research (CSIR) in respect of a contract entered into between the CSIR and the Department of Public Works with regards to Agrement SA reported in the income and expenditure report which we have initialed for identification purposes.

Our engagement was undertaken in accordance with the International Standards on Auditing applicable to agreed-upon procedures. The determination of the adequacy or otherwise of the procedures agreed to be performed is the responsibility of the management of the CSIR.

The procedures are summarised as follows:

- Obtain a signed copy of the contract, and obtain an understanding of the contract through inspection thereof.
- Obtain the summary of expenses for the project prepared by management. Test the mathematical accuracy of this report (casting, cross casting).
- Follow the total expenses per the summary of expenses prepared by the client through to the accounting records of the CSIR (running cost and personnel cost).
- Follow the exchange rate used by management for conversion of expenses through to the exchange rate per www.oanda.com on the transaction date.
- Follow the total Subcontracting expense through to the accounting records of the CSIR.
- Recalculate the overhead cost based on the formula used by the CSIR per their policy.
- Follow the expenses per summary of expenses through to the income & expense sheet, prepared by the client.
- Follow pre-funding received by the CSIR through to the bank statements of the CSIR. Inspect the date the funds were received to ensure it was received in the period under review.
- Through inspection of the selected transactions, confirm that the accounting of personnel expenses, running cost and funds received were done in accordance with SA GAAP (i.e. date of recognition is the date when funds were received or expenses incurred).
- Recalculate the labour rate per day based on the contract. Follow number of days through to the accounting record, limited to the number of days per the contract.
- Obtain printouts from the CSIR accounting system, and select at least 65% of running cost and 10 timesheets.
- Obtain the invoices for the running cost selected and:
  - Agree the amount per the accounting records through to the amount per the invoice.
  - Inspect the description of the invoice to ensure cost were not non-eligible as defined in the contract.
  - Inspect the date on the invoice to ensure the cost relate to the period under review.
- For the timesheets selected:

- Agree the hours per the accounting system through to the timesheets.
- Inspect that the timesheets have been approved.
- Inspect the dates of the timesheets to ensure the time booked relates to the period under review.

We report our findings below:

- The contract between the CSIR and the Department of Public Works could not be obtained for inspection thereof to gain an understanding of the contract.
- Obtained the summary of expenses for the project prepared by management. Tested the mathematical accuracy of this report. No exceptions found.
- Followed the total expense per the summary of expenses prepared by the client through to the accounting records of the CSIR (running cost and personnel cost). No exceptions were found.
- No exchange rates were used by management for the conversion of expenses as no expenses were incurred in foreign currency.
- No subcontracting expenses were incurred during the period.
- Both shared service costs of R534 000 and executive levies of R534 000 were confirmed as being an allocation of 6% of budgeted Revenue of R8 900 000. Depreciation of R222 475 was agreed to the overhead allocation made by the CSIR to Agrement SA. Internal Costs of R9 127 was recalculated as being the loss on disposal of a computer equipment.
- Followed the expenses per summary of expenses through to the income & expenditure report prepared by the client. No exceptions found.
- Pre-funding of R8 070 000, received from the Department of Public Works was followed through to the bank statements of the CSIR. Inspected the date the funds were received and ensured it was received in the period under review.
- Through inspection of the selected transactions, confirmed that the accounting of personnel expenses, running costs and funds received were done in accordance with SA GAAP (i.e. date of recognition is the date when funds were received or expenses incurred). No exceptions found.
- Obtained printouts from the CSIR accounting system, and selected 65% of running cost and 10 timesheets.

  Obtained the invoices or supporting documentation for the running cost selected and:

  - Agreed the amount per the accounting records through to the amount per the invoice or supporting documentation. The only exceptions noted were the following expenses which were claimed including VAT:

Expense claimed including VAT	Expense excluding VAT	VAT
R12 654.00	R11 100.00	R1 554.00
R17 063.00	R12 810.00	R4 253.00

  - The eligibility of the expenses could not be evaluated as no contract was available which defined non-eligible costs.
  - Inspected the date on the invoice or supporting documentation to ensure the cost relate to the period under review. The only exception noted was an expense of R40 000 for structural testing (invoice number: IN012895) where the invoice was dated 31 October 2007. This expense was processed late and therefore included in the current year's expenditure.

AUDITOR GENERAL'S REPORT (cont)

For the timesheets selected:

- Agreed the hours per the accounting system through to the timesheets. No exceptions found.
- Inspected that the timesheets have been approved. No exceptions found.
- Inspected the dates of the timesheets to ensure the time booked related to the period under review. No exceptions found.
- Recalculated the labour rate per day based on the contract. Followed the number of days through to the accounting records. No exceptions found.

Because the above procedures do not constitute either an audit or a review made in accordance with the International Auditing Standards, we do not express any assurance in connection with income received and the expenses incurred by the CSIR for the period 1 April 2008 to 31 March 2009.

Had we performed additional procedures or had we performed an audit or review of the financial statements in accordance with the International Auditing standards, other matters might have come to our attention that would have been reported to you.

Our report is solely for the purpose set out in the first paragraph of this report and for your information, and is not to be used for any other purpose, nor to be distributed to any other parties. This report relates only to the accounts and items specified above, and do not extend to any financial statements of CSIR, taken as a whole.

APPRECIATION

The assistance rendered by the staff of the CSIR during the audit is sincerely appreciated.

Auditor-General

Pretoria

08 August 2009

AUDITOR-GENERAL SOUTH AFRICA

Acting to build public confidence


Group Five Construction (Pty) Ltd: Goldflex 100 Building System
40
YEARS

CERTIFICATES GRANTED

During the year under review Agrément South Africa approved eighteen Agrément certificates. Details of these certificates appear below.

Lafarge Roofing (Pty) Ltd:
Compactroll Ridge and Hip Capping
Agrément certificate no. 2008/343

Compactroll Ridge and Capping is 270 mm or 340 mm wide and is supplied in 10 m rolls. Compactroll comprises lengths of aluminium foil with four rows of 9 mm diameter holes spaced 5 mm apart. The perforated section is covered with a glued-on weather protective and ventilating fleece. The edges of the aluminium foil are folded double with a strip of polyisubutylen within the fold. A 20 mm wide butyl rubber-based adhesive is applied on the back of the aluminium foil 5 mm from each edge along the length of the roll. The two strips of adhesive are protected with peel-off plastic strips.

Socio-economic benefits:

- Visually attractive and can be installed by unskilled construction workers.
- From a health and safety aspect, it contributes to the waterproofing of the building and ventilates the roof space, allowing heated air to escape.

Yokoyo Investments (Pty) Ltd:
Innovida Building System
Agrément certificate no. 2008/M55

The Innovida Building System comprises:

- 2 500 mm x 6 000 mm x 64 mm thick superstructure wall panels fabricated from two sheets of resin saturated glass-fibre composite encapsulating an expanded polyurethane core.
- 64 mm thick surface bed panels (the same as wall panels) on well compacted hardcore fill with 700 mm x 700 mm x 650 mm deep Innovida corner footings.
- 64 mm thick (the same as wall panels) roof sheets and finished with appropriate roof paint on the exterior.
- Window and door frames are manufactured from timber.
- Conventional services.

Socio-economic benefits:

- Factory production reduces the need for large numbers of workers on site.
- Increase in speed of erection.
- Easy to transport because of weight of material.
- Reduction in the use and mixing of concrete on site.

CERTIFICATES GRANTED

Ikhaya Futurehouse Systems (Pty) Ltd: Ikhaya Futurehouse Double Storey Building System
Agrément certificate no. 2008/347

The Ikhaya Future House Double Storey Building System utilises factory-produced wall panels, TASS 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/m^3, spaced 120 mm apart forming a cavity that is filled with (reinforced) concrete. The first-floor slab is the TASS expanded polystyrene coffered flooring system. The first-floor wall panel consists of a core of 80 mm thick EPS. Wall panels are corrugated and are 1,2 m wide x 2,4 m high. Galvanised weld mesh 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 U-shaped reinforcing bars at 250 mm centres, passing through the EPS core and with the legs on either side of the junction wall.

Internal wall junctions are reinforced with L-shaped strips of weld mesh tied to the wall panel weld mesh. A reinforced concrete ring beam is cast at eaves level to all external eaves and gable walls.

Wall panels are finished with 40 mm thick spray applied structural plaster (15 MPa) to both sides of the EPS core (cement and fine aggregates comply with the relevant SANS specifications).

Foundations and the surface bed are conventional and designed by a professional engineer or approved competent person.

Roof construction is conventional timber roof trusses with light-weight cladding. Insulated ceilings are always installed.

Windows, doors and services are conventional.

Socio-economic benefits:

Benefits to home-owner:

- Energy-saving superior insulation compared to traditional building products.
- Insulation-increased sound insulation leads to a more comfortable and peaceful living environment.

Construction benefits

- Speed of construction and deployment - can build significantly faster than traditional methods

Construction method:

- Ease of erection, and can be done without using any specialist equipment on site. This means that it can be used in practically all areas of the country and that certain jobs can be taken up with very little building experience.

Lafarge Roofing (Pty) Ltd: EasyFlash
Agrément certificate no. 2008/344

EasyFlash is available in widths of 200 mm, 250 mm, 300 mm, 450 mm and 600 mm and rolls of 5 m. EasyFlash comprises creped, laminated aluminium foil achieving up to 63 % stretch ability, one side coated with butyl adhesive and protective release foil. It is available in anthracite, red, brown and zinc-grey colours.

Socio-economic benefits:

- Can be installed by unskilled construction workers.
- From a health and safety aspect, it contributes towards the waterproofing of the building.

CERTIFICATES GRANTED

Cemforce cc:
Cemforce GRC Building System
Agrément certificate no. 2008/346

The Cemforce GRC Building System utilises factory-produced wall panels. The wall panels are 78±2 mm thick and consist of a polystyrene beaded concrete core with a dry density of 450 to 750 kg/m3 encapsulated in 8 mm thick skins of glass-reinforced cement (GRC). The panel widths vary from 300 mm to 1 200 mm and are 2,4 m or 3 m high. Polyvinyl chloride (PVC) conduits of 15 mm diameter are cast running horizontally at the top and bottom of the panels. Galvanised mild steel anchor straps are cast into the bottom of the panels and wallplate anchor bolts in the tops of the panels.

The concrete floor slab is conventional with thickened edge beams cast on a damp-proof membrane. Bitumen emulsion dpc is applied to the bottom of all wall panels prior to erection. Wall panels are placed in position, starting from a corner, and the anchor straps are secured to the floor slab with drive-in nails. Mild steel post tensioning rods are threaded through the PVC conduits to secure the wall panels to one another. The wallplate is a mild steel box section secured to the anchor bolts.

Roof construction is conventional timber with light or heavyweight cladding. Insulated or uninsulated ceilings are always installed. Window and door frames are secured to bolts cast into the wall panels.

Socio-economic benefits:

- Factory production of wall panel reduces the need for large numbers of skilled and unskilled workers on site.
- It Increases the speed of erection.
- Sound insulation leads to a comfortable and peaceful living environment.

Datel Consulting cc t/a:
Datlink Insulation Innoblock Insulating Hollow Concrete Blocks
Agrément certificate no. 2008/345

InnoBlok® insulating hollow concrete blocks are 140 mm wide x 190 mm high x 390 mm long masonry units, which have enhanced thermal properties when compared with conventional hollow concrete blocks of similar dimensions. The blocks are coloured pink to facilitate identification on site.

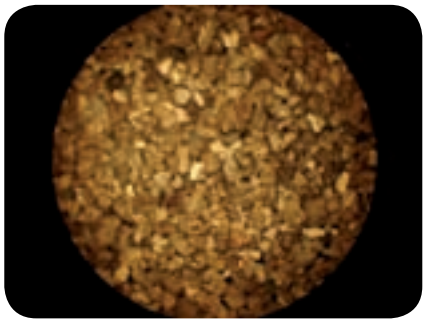
InnoBlok® meets the requirements of SANS 1215: Concrete Masonry Units and may therefore be used in all applications where similar strength and sized standard masonry units are permitted.

Walls erected using InnoBlok® will have enhanced thermal resistance which can be used either to:

- improve thermal comfort within buildings and thereby reducing heating and cooling energy requirements
- offset the need for plaster wall finishes and reduce the thickness of ceiling insulation required in certain areas of South Africa when building dwellings with 140 mm thick standard hollow blocks.

Socio-economic benefits:

- Energy saving - better insulation when compared to traditional concrete bricks.
- Enhanced thermal comfort in dwellings.



CERTIFICATES GRANTED

Meeting of Minds cc:
Izoblok Building System
Agrément certificate no. 2008/348

The Izoblok Building System uses walls made of hollow ribbed wood/cement blocks that are filled with concrete. The foundation and roof are conventional. The blocks function as permanent shuttering and insulation material.

At the ground-floor level the walls are constructed in a conventional manner with a damp proof course. The blocks are laid in stretcher bond, four courses at a time. Vertical alignment of inner ribs assists in placing of concrete fill and its compaction. Concrete (15 MPa) is cast into the block cavities, compacted and allowed to cure. Care is taken to maintain the stability of the blocks during the concrete casting. The walls (internal and external) are finished on both sides with 12 mm thick cement/sand plaster and painted.

In single-storey and first-floor structures, reinforced concrete lintels or ring beams as per the engineer's details, are formed over windows, doors, eaves and gable walls. In double-storey structures the first-floor slab is the conventional reinforced concrete slab, designed and constructed as per the engineer's details. Foundations and the surface bed are conventional and designed by a professional engineer or approved competent person. Roof construction is conventional timber roof trusses. Windows, doors and services are conventional.

Socio-economic benefits:

- Training can be provided under factory and site conditions.
- Enhanced quality management and speed of erection.
- Energy saving when compared to the traditional building method.
- Contributes to the speed of construction and skills training.

Great Force Investments:
Tilt-Up Pre-Fabricated Building System
Agrément certificate no. 2008/349

The Tilt-Up Pre-Fabricated Building System is a combination of innovative and conventional construction methods. It is a single-storey structure that utilises concrete foundation, ground-floor slab, walls and timber roof. The walls are 120 mm thick, horizontally cast pre-fabricated reinforced concrete panels, incorporating service connections and window and door openings where applicable. The roof is made of a reinforced concrete beam spanning between the gable end walls supporting 152 mm × 38 mm timber rafts spaced at 680 mm c/c and covered with roofing tiles in a conventional manner.

The wall panels are either factory-made or manufactured on site. These are cast as a complete unit with the external face-up and an imprint (Ashlar Bond) pattern applied to the external face before setting and curing. The Tilt-Up Pre-Fabricated Building System built in the South Coastal Condensation Problem Area (SCCP) requires a Pratliperl finish on both faces of the wall.

Socio-economic benefits:

- Workers will be trained in a specialised field.
- The easy method of erection will reduce the number of workers on site.
- The precasting of panels facilitates quality control and increases speed of erection.
- Prefabrication of the panels reduces typical disruption to residents and environment.

CERTIFICATES GRANTED

Concrete Manufacturers Association: CMA Building Foundation Beam System
Agrément certificate no. 2008/350

CMA Building Foundation Beams are pre-cast, pre-stressed concrete rectangular beams 200 mm wide and 400 mm deep used in non-standard foundation systems of the type referred to in this certificate. All aspects pertaining to the manufacture and use of these beams are under the control of a professional engineer or approved competent person who will ensure that the requirements of this Certificate as set out in Part 1 are met.

Where necessary, superstructure walls are to be designed and built to accommodate expected movements by way of, for example, articulated walls and/or the introduction of masonry reinforcement or ring beams. The suspended floor slab that supports the walls is also part of the superstructure and must have appropriate long-term capability.

The design and manufacture of CMA Building Foundation Beams are controlled by relevant established practice and associated codes of practice. Aggregate and sand used in production complies with SANS 1083, cement with SANS ENV 197 and the pre-stressing strands comply with BS 5896.

CSIR Built Environment: Construction: CSIR Modular Building System
Agrément certificate no. 2009/351

The house is constructed on 500 mm deep compacted fill. The 230 mm wide, 350 mm deep external footings are excavated into this fill. The 50 mm thick power-floated concrete surface bed is reinforced with weld mesh which is turned down centrally in the foundation. The walls consists of 140 mm and 90 mm thick hollow concrete blocks with the eaves high blocks filled with concrete to form a ring beam to which the roof trusses are anchored. Purpose-made blocks fill in the gable triangle. Walls are plastered externally in the Southern Coastal Condensation Problem (SCCP) area, with a light-weight insulating plaster.

Roof trusses consist of 152 mm x 50 mm timber joints connected at the apex and anchored to the ring beam. Joists are supported by a centrally located wall with concrete eaves height infill.

Light-weight roof claddings comprise profiled galvanised sheet steel spanning between joists without the need for purlins.

Lamdaboard expanded polyisocyanurate ceilings are always installed.

Socio-economic benefits:

» Performance in terms of safety, health and habitability meets the requirements of the National Building Regulations and Agrément South Africa.
» It contributes to local resident employment-on-site training.
» Reduction in wet trade activity reduces typical disruptions to residents and the environment.
» It contributes to the speed of erection.

CERTIFICATES GRANTED

Banbric Building cc:
Banbric Building System
Agrément certificate no. 2009/354

The Banbric Building System comprises 305 mm x 80 mm x 2500 mm long precast reinforced concrete load bearing posts at 1 200 mm or 1 380 mm centres with 1 258 mm x 42mm thick and 1 100 mm x12 mm thick precast reinforced concrete panels between them. The reinforcement of precast concrete panel consists of six strands of 3,1 mm diameter galvanised wire, three strands vertically and three strands horizontally, equally spaced. Precast concrete post reinforcement consists of a welded cage of 6 mm diameter mild steel bars. After casing, panels and posts are cured by spraying with water twice daily until used.

- There is a 700 mm high precast concrete beam filling the wall panel over openings.
- Concrete surface beds with a thickened edge, cast on a damp-proof membrane.
- Walls are plastered internally with a nominal 22 mm thick reinforced concrete plaster.
- Conventional timber trusses, covered with tiles.
- Conventional timber window and door frames.
- Conventional gypsum plasterboard ceilings are used.
- Conventional services.

Socio-economic benefits:

- It offers decent quality houses for disadvantage communities.
- Performance in terms of safety, health and habitability meets the requirements of the National Building Regulations and Agrément South Africa.
- It allows people access to loans and build their capital bases.
- Ease of erection.

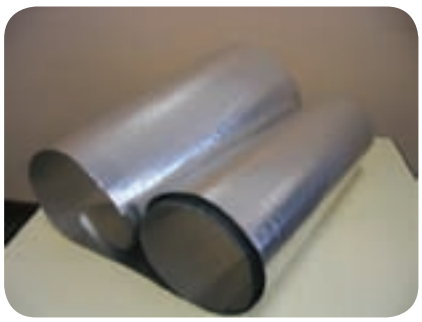
Monier Roofing (Pty) Ltd SA:
Spunsalation 5 Roofing Radiant Barrier
Agrément certificate no. 2009/353

The Spunsalation 5 Roofing Radiant Barrier is manufactured from pigmented ultraviolet light-resistant, non-toxic flame retardant, green non-woven polypropylene spunbond membrane laminated by means of homogenous polyolefin film web to both sides of the aluminium vacuum metallised biaxially oriented polypropylene (BOPP) layer. The membrane has a weight of 251 g/m2 and a thickness of between 0, 51 mm to 0,53 mm. It is supplied in rolls 30 m long and 1,5 m wide.

Spunsalation 5 Roofing Radiant Barrier is suitable for installation in housing and industrial buildings used in conjunction with timber and steel roof construction with concrete roof tiles or galvanised sheet steel cladding and for use in conjunction with side claddings.

Socio-economic benefits:

- Prevents wind upliftment of concrete roof tiles or galvanised sheet steel cladding.
- Excellent dust-proofing of the loft area.
- It eliminates wind noise.
- It has a higher heat resistance.



CERTIFICATES GRANTED

Prominent Paints (Pty) Ltd:
Prominent Paints Waterproofing System
Agrément certificate no. 2009/352

The Prominent Paints Waterproofing Wall Coating is a two-coat application for use in all regions of South Africa on sound, suitably prepared, external and internal surfaces as follows:

- sand-cement plaster;
- sand-cement bagged finishes;
- the above surfaces previously painted with 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 is available in 20 different colours and packed in 20 litre containers. It needs to be thoroughly stirred on site before application. It is applied using a block brush or a sheep-skin roller.

Leading Edge 186 cc:
APC Modular Building System
Agrément certificate no. 2009/355

The APC Modular Building System comprises factory produced, pre-cast concrete panels which, when erected, form load-bearing external and internal walls of single-storey buildings. Externally wall panels are rendered 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 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. Exterior walls are 100 mm thick and internal walls 90 mm.

Socio-economic benefits:

- Performance in terms of safety, health and habitability meets the requirements of the National Building Regulations and Agrément South Africa.
- It contributes to local resident employment-on-site training.
- The reduction in wet trade activity reduces typical disruptions to residents and the environment.
- It contributes to the speed of erection.

CERTIFICATES GRANTED

Circle Capital Developments (Pty) Ltd: Frame Tech Building System
Agrément certificate no. 2009/256

Frame-Tech buildings are designed using a computer program under the supervision of a professional engineer. The buildings are erected on conventional cast in-situ concrete surface beds with edge beams.

The superstructure walls consist of galvanised steel-lipped channel sections that are used as studs and rails to erect a structural framework that is clad externally and internally. External cladding is mesh reinforced sand/cement plaster. Internal cladding may be the same as that used externally, or gypsum plasterboard that, depending on the specification, may receive a finishing coat of plaster. Tenancy separating walls are 230 mm brickwork, which may be fair faced or plastered.

Frame-Tech roof trusses are fabricated from galvanised steel-lipped channels. Roof coverings are conventional.

All other aspects of the buildings are of conventional construction.

Socio-economic benefits:

» Performance in terms of safety, health and habitability meets the requirements of the National Building Regulations and Agrément South Africa.
» It contributes to local resident employment-on-site training.
» The reduction in wet trade activity reduces typical disruptions to residents and the environment.
» It contributes to the speed of erection.

Gundle API (Pty) Ltd: Gundle USB Co-extruded surface-bed membrane
Agrément certificate no. 2009/357

The Gundle USB Co-Extruded surface-bed membrane is co-extruded and consists of a 57 micron thick top layer of green low-density polyolefin, a 57 micron thick middle layer of black low-density polyolefin and a 57 micron thick carbon black filled low-density polyolefin bottom layer. The finished thickness of the nominal membrane is 170µm and is supplied in 30 m long x 3 m, 4 m and 6 m wide sheets. The membrane is manufactured from recycled material.

The Gundle USB Co-Extruded surface-bed membrane is suitable for installation as an under surface- bed membrane to prevent rising damp entering the concrete. It can be use in all regions of South Africa.

Socio-economic benefits:

» It prevents rising damp in concrete slabs.
» It adds value to the environment by using recycled material.

CERTIFICATES GRANTED

Breidert Education Development cc:
Bright-kid Container Conversion
Agrément certificate no. 2009/M56

Second-hand ISO mild steel shipping containers are sourced and refurbished and used as pre-school classrooms, detached housing and primary healthcare centres in all regions of South Africa.

Containers are 12,0 m x 2,3 m x 2,4 m high with mild steel sections forming the frame, corrugated side wall panels and roof, cargo loading door and timber floor.

Appropriately- sized sections of side panels are removed to accommodate windows and a mild steel door. Corrosion is removed by brushing affected areas with a rotary wire brush, then coating the brushed areas with a zinc chromate primer and two coats of enamel, the final coat being decorative.

Damaged sections of the timber floor are replaced and 2 mm vinyl floor covering secured with adhesive. A Kulite polystyrene ceiling is installed.

Socio-economic benefits:

- It provides educational services, materials and consulting to needy communities and organisations working with the needy.
- Shipping containers are refurbished and used as pre-school classrooms in rural areas and each container is sponsored by a private sector donor.

I.T.A Security Co (Pty) Ltd:
ITAS Modular Building System
Agrément certificate no. 2009/358

The ITAS Modular Building System is a re-usable steel building structure. The foundation footings are 600 mm x 600 mm excavated to a depth of at least 600 mm or the depth specified by an engineer. A solid concrete plinth foundation is then cast up to ground level. A 16 mm diameter treaded rod, for anchoring the building, is encased in the concrete plinth. A 120 mm x 60 mm x 3 mm channel section is bolted onto the concrete plinth which then forms the form work for the concrete floor. Onto the channel section an angle section (100 mm x 50 mm x 6 mm) is welded to which special folded steel plate columns are bolted at 1,2 m c/c spacing. The column has special slots so that it fits over the upstanding leg of the angle.

The external wall panels consist of folded 2 mm thick steel plate, stiffened by means of vertical top hat stiffeners (3 mm thick), fixed to the columns by means of a wedge system. On the inside the walls are lined with 15 mm gypsum board. The wall sections together with the columns form torsionally stiff walls around the perimeter of the structure.

All the internal partitioning walls are 15 mm thick "Rhinowall Dry Wall" and in secure areas these are lined with 2 mm thick mild steel sheets.

Socio-economic benefits:

- The reduction in wet trade activity reduces typical disruptions to residents and the environment.
- It contributes to speed of erection.

Agrément Technical Agency

Meet the Agrément team at the Agrément test site.

WFTAO Members

Left to right (sitting) John Nosse; Jadwiga Fangrat; Joe Odhiambo; Thomas Bruun; Tokiwa Terakawa; Toshikatsu Sasai;
(Standing from left to right): Hervé Berrier; John Flack; Bruno Mesureur; Jiri Sobola; Kevin Bramwell; Joe Blaisdale; Paul Shortis

Agrément
Fit-for-purpose
Doelmatig
E loketše morero
E siametse morero
Ho loketse morero
Ukungqamelana nenjongo
E lungele injongo
Yi ringanele xikongomelo

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