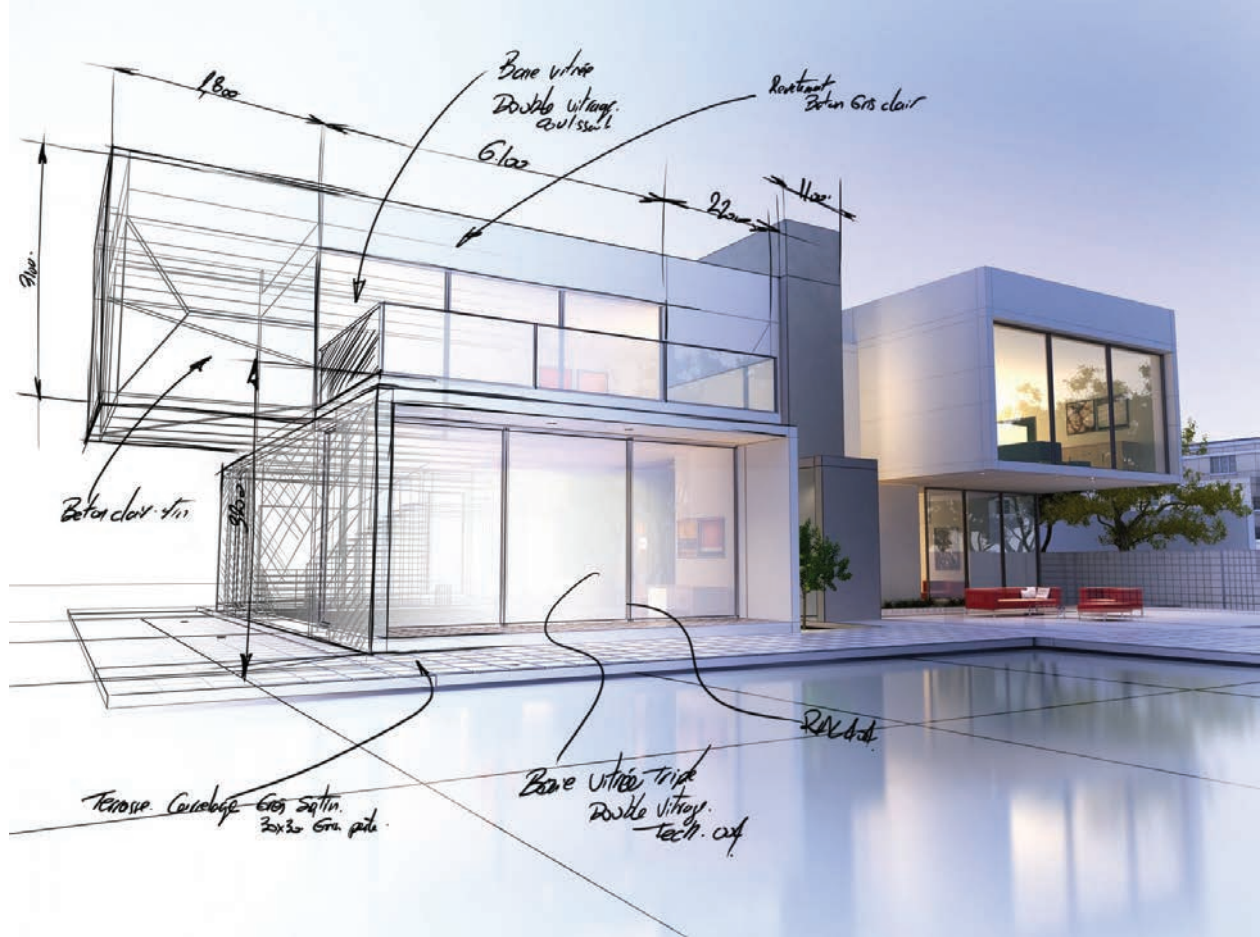




GreenBuildings

Because We Care about the Future



COMPANY INFO

CONCEPT HOMES is a company with extensive experience in the area of Architecture, Engineering & Construction, with over 50 years of combined experience these fields.

We offer a set of services from Appraisals, Cost-Estimation, Development, Architectural, Engineering, Construction and Construction management. In the last few years we have changed our direction and now we dedicate ourselves in complete DesignBuild (Turn-key) solutions. Either if it is a Building, House or a Residential Development.

About M2 Emmedue Advanced Building System

The M2 Emmedue Advanced Building System has been invented by Italian Engineer Angelo Canderacci over 35 years ago in Fana Italy, and has been the largest Green Building System in the world, with over 72 Factory all over the world.

About the Integrated System including M2 Emmedue

This integrated Green Home system is a cutting edge integrated home and the result of 7 year extensive research by Architect Greg Laclé in the area of Green & Sustainability building technology. This home system are built with the Italian building system called M2 Emmedue. The envelope of this home system includes the best water & energy savings equipment, giving you as home owner, the most efficient Greenhome ever built. Included equipment and low-maintenance materials are of the best of quality with individual warranties from each vendor. This integrated home is Earthquake resistant, Hurricane resistant, Fire Proof, Blast resistant & Ballistic proof. Furthermore this home system is thermal-insulated and consist of a STC45 equivalent type wall & roof, which means it is 45DB sound-proof system. The

integration of M2 walls and roofs, with energy efficiency equipment, like Daikin VRV or Mitsubishi VRF Air-Conditioning, LED Lights, which allows us to reach Energy Neutral status "Net Zero" allowing home owners to save on your Energy bills.



Advanced
Building
System



AN INNOVATIVE BUILDING SYSTEM UNIQUE IN THE WORLD

From primitive caves and tents to wooden structures of the Paleolithic age, passing through the first architectures in stone and brick materials, and finally to the reinforced concrete building. Humankind has been in constant search for new building solutions and, of course, the choice of architectural materials originate from several factors:

- Functional Goals - Resource Availability - Climate - Traditions - Production Reasons - Constructive Knowledge.

Yet, the building sector has not always succeeded in promoting technological innovation. This is due to slow adaptation to innovation of architecture design, because building traditions and experience tend to root both techniques and materials. Moreover, for a long time there has been a greater concern for the symbolic aesthetic finishes, yet not for the constructive finishes.

Despite this, Emmedue was able to propose a new Building System alternative to traditional systems. The Emmedue Advanced Building System is an earthquake-proof building system unique in the world, innovative in its concept but with a successful history of over 35 years.

The Emmedue Advanced Building System appears to be of significant value, especially, in communities where the need for the development of major social housing projects, public and private buildings prevails

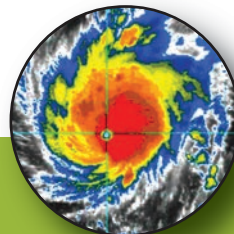
The System is able to combine the cost-effectiveness and logistics efficiency of the building process, guaranteeing high quality standards and an incomparable environmental comfort. The earthquake-resistant and thermo-acoustic performance, durability, environmental comfort and energy efficiency of Emmedue buildings are certified and guaranteed at an international level:



**BALLISTIC TESTING
BLAST RESISTANT TESTING
CRASH TESTING**



FIRE RESISTANT TESTING



HURRICANE PROJECT TESTING



EARTHQUAKE RESISTANT TESTING

CERTIFIED QUALITY

A strongly efficient Research and Development department guarantees continuous search for new technologically advanced solutions. Emmedue supplies cutting-edge machines that meet the highest technical, safety and reliability requirements, ensured by certified quality standards.

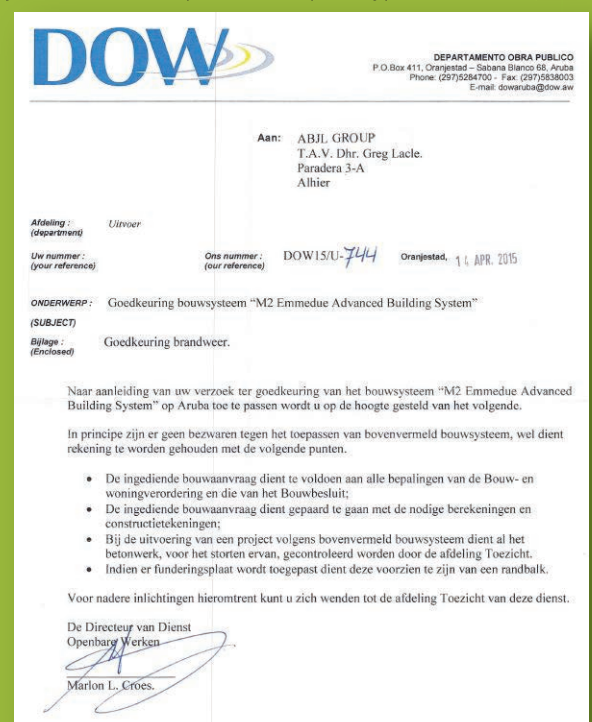
Over the years, Emmedue has always focused on quality, a company's forte. In fact, Emmedue has not only structured its quality System according to current regulations, but also has made it versatile and adaptable to the requirements of each client. Additionally, the company conducts tests and trials in Italy and abroad on panels and prototypes which has allowed them to obtain certifications and approvals issued from recognized institutions worldwide. Furthermore, Emmedue operates in a certified quality system according to the standard UNI EN ISO 9001.

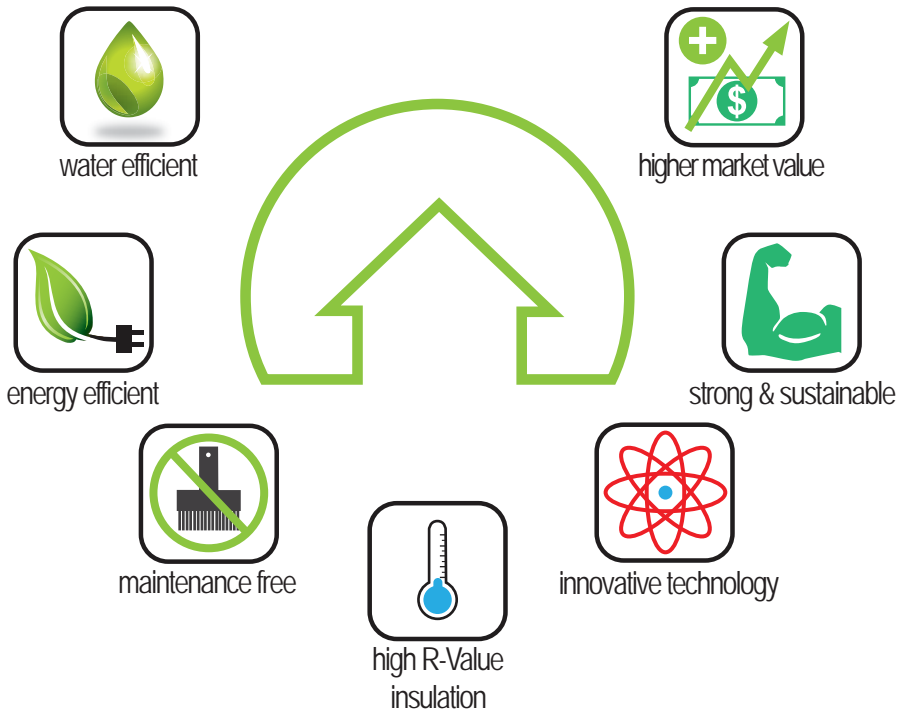
ACCREDITATION

Since the Emmedue Advanced Building System is used globally, it is of primary importance the quality standards and international approvals certifying conformity of the product to the specific requirements of each country where the System is applied.

The following are the main international accreditations and certifications of technical suitability of the Emmedue Advanced Building System released worldwide:

- Russia – Technical Certificate (2018)
- United States of America (2018)
- India (2014)
- Russia – Health Certificate (2014)
- Spain (2013)
- Nicaragua (2012)
- Romania (2011)
- Peru (2010)
- Trinidad and Tobago (2003)
- South Africa (1997)
- Puerto Rico (1994)
- Aruba (2015)
- Europe (2016)
- Algeria (2014)
- Dominican Republic (2014)
- Ecuador (2013)
- Argentina (2012)
- Uruguay (2012)
- Panama (2010)
- Ireland (2006)
- Jamaica (1997)
- Mexico (1994)
- Australia (1990)
- Curacao (2014)








GreenBuildings


Maximum Efficiency in Insulation, Water & Electricity in Buildings


ADVANTAGES OF OUR INTEGRATED GREEN BUILDING SYSTEM


- 







By Combining the use Graf Waste Water Treatment in combination with our VIEGA plumbing ManaBloc system, and many other recycle system including LEED practices, makes our building high water efficient.
 - 


By using M2 emmedue building system, high efficiency AC system, LED lights, energy efficient equipment and Solar Photovoltaic panels we can engineer your home to be Energy Neutral "Net Zero".
 - 

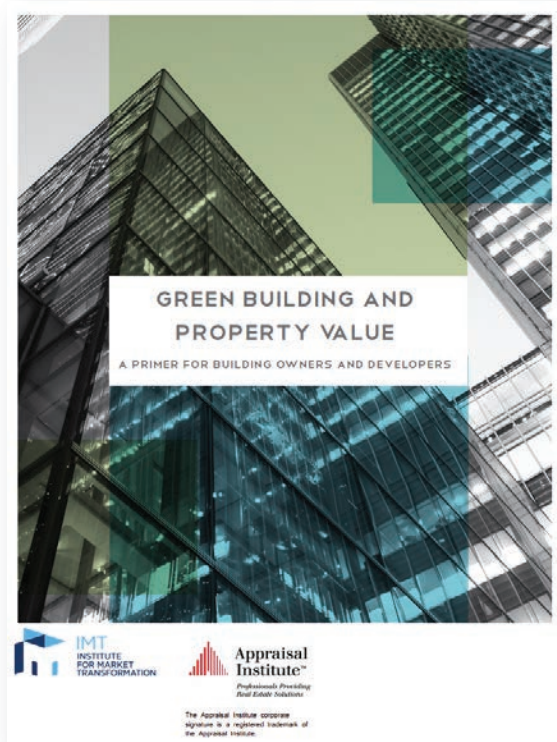
Most of our included products, like Counter Top, Outdoor wooden deck, Wooden Pergola, etc, are made out of recycleable products that requires no maintenance.
 - 

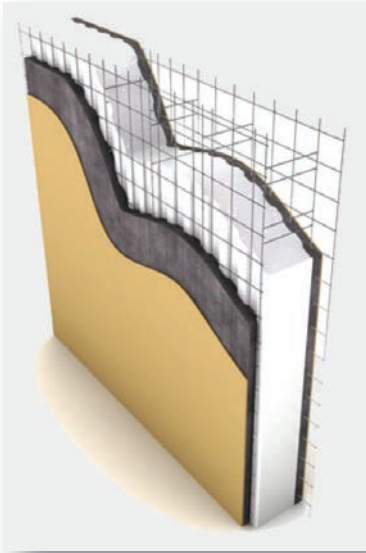
M2 Walls & Roofs are well insulated. The combination of well insulated window and doors, high efficiency AC, makes our buildings are able to maintain lower temperature through out the entire day.
 - 

The technology used in our green buildings are proven technology. These includes Graf Waste Water Treatment System, Viega plumbing System, Daikin Airconditioning System, Gira Home Automation & more.
 - 

M2 Emmedue is confirmed by many Architects & Engineers, to be the best construction system in the World. This system is Hurricane Proof, Earth Quake Resistant, Ballistic Proof, Blast Resistant & Fire Proof.
- | | |
|--|--|
| <ul style="list-style-type: none">  Hurricane Resistance  Earthquake Resistance  Fire Resistance | <ul style="list-style-type: none">  Speed & Productivity  Proven Lab Tests  Great Sound Accoustics means Quiet & Comfort |
|--|--|


 We have researched various ase study across the world in the area of Green Buildings and these research concluded that Green Buildings and buildings that are strong and durable and abides by building codes, being hurricane resistant, earth quake resistant and fire proof has higher free market value. The appraisal Institute also has a report on this subject: **Green Building and Property Value**. Source: <https://www.appraisalinstitute.org/assets/1/7/Green-Building-and-Property-Value.pdf>





SINGLE PANEL

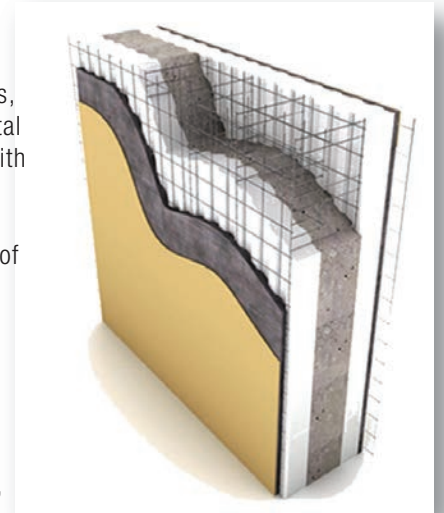
The Emmedue single panel is made up of expanded polystyrene, modular, enclosed in a double-galvanized steel wire mesh linked by connectors, to be finished with two layers of 3000 PSI shotcrete.

Used as a Loadbearing structure, for buildings up to four floors, with application of structural plaster on both sides. Perfect for partitions and claddings in new or refurbishes buildings; as claddings and partitions in largesized industrial and commercial buildings; as insulating frame-works for roofing and moderate spam floors. Ideal for walls, partitions, cladding, floors and roofs.

DOUBLE PANEL

The Emmedue double panel consists of two single panels, suitably shaped and joined together with double horizontal connectors that are inserted into a space to be filled with shotcrete of appropriate characteristics and resistance.

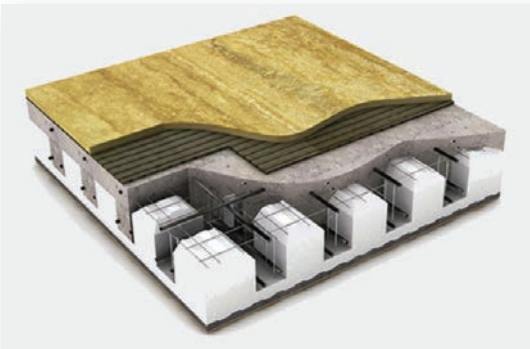
The thickness of the shotcrete septum inside the double panel, as well as the characteristics of the shotcrete itself, will be determined according to the structural requirements. The panel is finally completed with the application of the external shotcrete.



FLOOR PANEL

Panel for creating floors and roofs with reinforced concrete beams, with considerable advantages in terms of lightness, insulation and assembly speed.

The Emmedue floor panel is composed of a molded sheet in expanded polystyrene, floors and roofing of buildings with the supplementary steel additions in special joists and subsequent casting of cement mix.



LANDING PANEL

Panel used to build landings, floors and bi-directionally reinforced plates. It gives continuous insulation to the intrados of the panel. The Emmedue landing panel is an excellent solution to building landings adjacent to staircases made with the Emmedue stair panel.

The landing panel can also be used for any plate or slab in R.C. to be reinforced in two directions, with the advantage of a considerable reduction of weight compared to a solid slab, and the presence of a continuous insulation that also acts as a formwork.

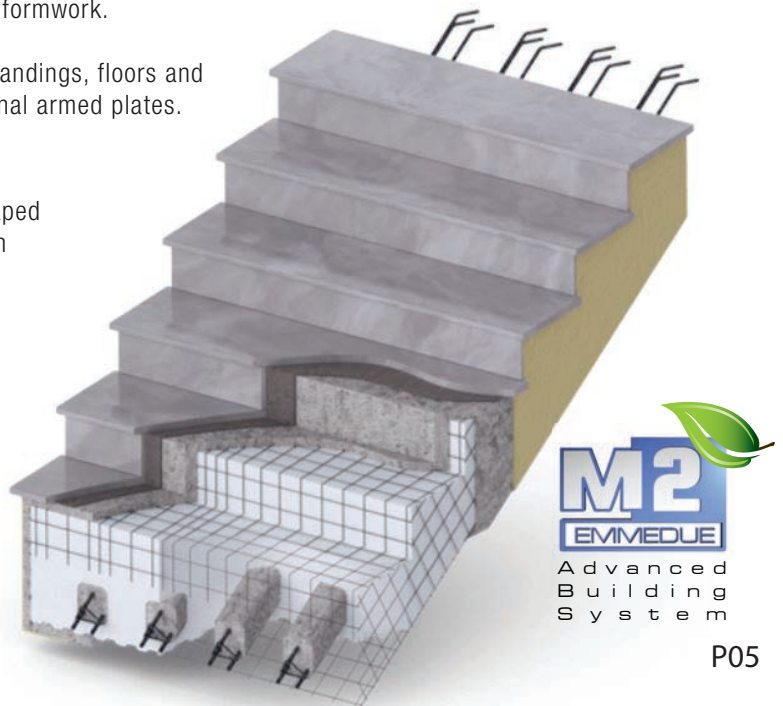
Ideal for landings, floors and bidirectional armed plates.

STAIR PANEL

The stair panel consists of an expanded polystyrene block, shaped according to the design requirements and sandwiched between two steel wire meshes. Once this panel is properly reinforced and completely casted in the appropriate spaces, it is ideal to build stairs that can be superficially finished with traditional plaster, tiles or any other finishing materials.

The stair panel is characterized by its quick and easy installation, combined with a distinct lightness and structural resistance.

Ideal for lightweight and resistant staircase that are fast to carry out. Ideal for floors and roofs with reinforced concrete beams.





water efficient



higher market value



energy efficient



strong & sustainable



maintenance free



high R-Value insulation



innovative technology



Multizone Inverter Central Airconditioning System



Inactivity Sensors in All Bathrooms



Aluminum Double Pane Insulated Glass Windows with Argon Gas.



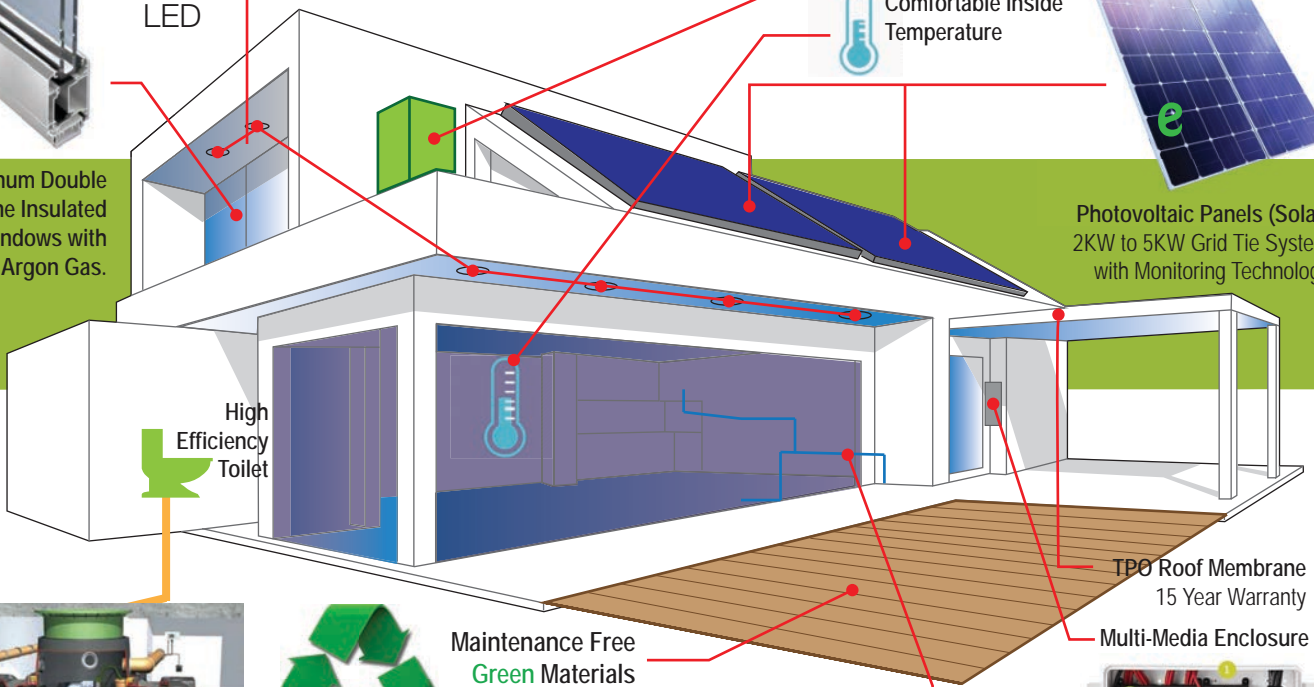
LED



Comfortable Inside Temperature



Photovoltaic Panels (Solar) 2KW to 5KW Grid Tie System with Monitoring Technology



High Efficiency Toilet

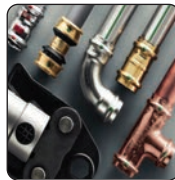
TPO Roof Membrane 15 Year Warranty

Multi-Media Enclosure

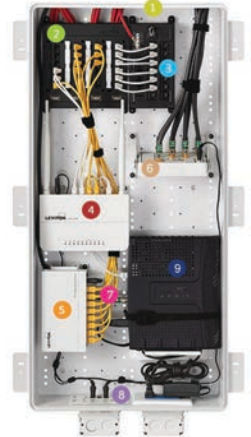
Maintenance Free Green Materials



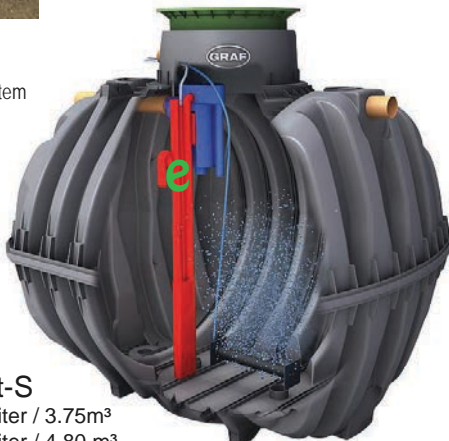
GRAF Waste Water Treatment With GRAF with its One2Clean Biological Waster Water Treatment System



VIEGA Plumbing System



One2Clean Brain



Carat-S 3750 Liter / 3.75m³ 4800 Liter / 4.80 m³



USB 110V Outlets in Bedrooms & Living Rooms



A UNIQUE GREEN & SUSTAINABLE BUILDING SYSTEM

Our Integrated using M2 Emmedue Advanced Building system is unique, innovative and comes with all the great advantages of saving you as home owner on Electricity Bills, Water Bills and gets you a higher equity compared to traditional homes.

All the included Equipment have been carefully selected, based on their design and engineering specifications and includes their warranty.

The following Equipment and Materials that we can include in our projects:

- M2 Emmedue Panels
- GrupoSur Shotcrete
- GrupoSur Prime & Paints
- GrupoSur Roof Coat
- VIEGA plumbing System
- IKEA Kitchens
- INTRADOORS
- Kevo Smart Lock system
- European UPVC Windows & Doors
- GRAF Septic & Waste Water Treatment Tanks
- Daikin & Mitsubishi Airconditioning Systems
- GIRA Home Automation Systems
- European Bathroom Equipments and Vanity Cabinets
- NEBIA Shower System
- TPO Roofing membrane
- Maintenance Free Wooden Flooring & much more.



PROFESSIONAL CONSTRUCTION WITH

All M2 Emmedue Constructions are done by CONCEPT HOMES. They are Certified Emmedue Builders and have vast experience with the system and all its included materials and equipment. You can always schedule a site visit to see the building process.



Your Family deserves the best roof on their heads, and the best is here.



OUR MISSION IS TO BRING YOU AND YOUR FAMILY TO YOUR HOME

I saw your advertisement, I am interested, I want an Emmedue type Building, Where do I start?

In order to help you, we need to understand a few things. please answer these questions:

- 1. Where do you Reside?**
- 2. Do you have a property already?**
- 3. Do you have an approved Architectural Plan?**
- 4. Have you consulted a bank to define your budget for your new House Project?**
- 5. Do you have a Program requirement?** (2 bedroom, 2 bathroom, 1 Foyer etc)
- 6. Do you have an Architectural Style in mind?** (modern, mediterranean)

Based on these answers, we could help you further to design and construct your home in either Aruba, Bonaire & Curacao by our certified Contractors.

We would be able to design from scratch or convert your plans into Emmedue Building system and submit to the Building Department for approval.

Please answer the above questions and Contact us at info@concept-homes.net and we would help you step by step to help you design and construct your home with the best building system.

Alot of people has asked us, "is M2 Emmedue cheaper than conventional?" The Answer: if you compare the building structure of traditional, concrete walls and concrete roofs with M2 Emmedue concrete walls and concrete roofs is more affordable and will give you a better ROI Return on Investment. How much does it cost? Well it depends on the design and all the materials you want in it. We will guide you, to fit your program requirement into your allocated budget.



Head Office: **Shiribana 13, Unit #2 (Next to Subway)
Paradera, Aruba.**

Email: **info@concept-homes.net**

URL: **www.concept-homes.net**

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