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National Group,

founded in 1964, is a cluster of emerging companies doing diverse activities under the chairmanship of Sheikh Naif Bin Ali Al-Thani.

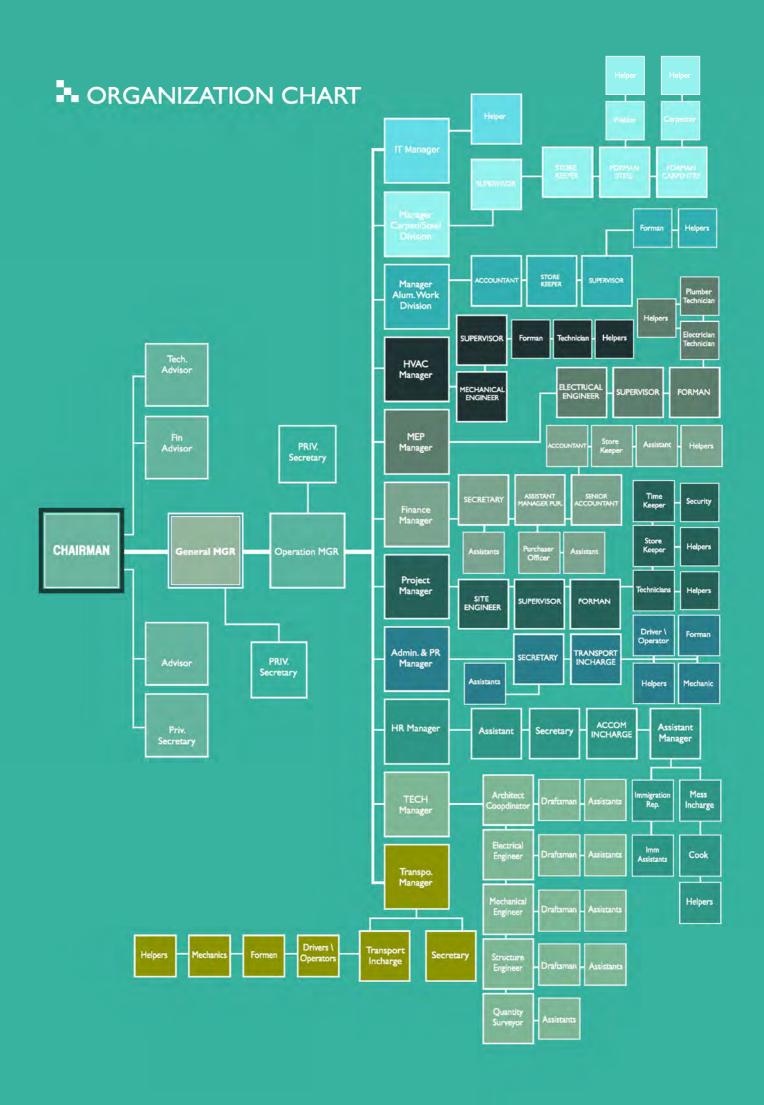
With the wise leadership and guidance of Sheikh Naif Bin Ali

Al Thani, National Group, flourished from the sprout, is now spreading its branches to various sectors of the industry.

As indicated, members of the Group are doing varied activities; we are focusing on attending almost all sectors of the industry with a National Touch.

Presently, we are an inevitable presence in Contracting, Trading, Manufacturing, Real Estate and Hospitality.

In addition, we are in search of expanding our services and scope hence more companies with unique products and services will be added to this link in a short while.



National Group Members

(Manufacturing Sector)





STONE

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About us

Innovation for sustainable development

As the only one 100% Qatari manufacturer of aluminium composite panel and corrugated core panels, Qatar National Alumimum Panel Co.(QNAP) closely adheres to Qatar National Vision 2030, achieving high standard with sustainable solution.

Through two decades' unremitting efforts, QNAP has developed a set of world class manufacturing facility which creates top quality products certified by ISO 9001, ISO 14001, and ISO 45001. We have being always prioritizing quality and service over short run interest, thus we are one of the few who

withstands hard and harsh during the global economy fallback, especially the illegal siege launched by other gulf members in 2017.

Harboring a world class facility and decades production experience, QNAP has been a proud member of Qatar Building Council, Prioritized Vendor on Qatar Civil Defense, and we are recently approved as the sole authorized aluminum cladding manufacturer in Qatar for Public Works Authority (ASHGHAL).

We extend our cordial welcome to all business partners for factory visit and development discussion.



PRODUCTS

QNAP offers a variety of quality products with pride. A firm dedicated to and capable of creating World Class products.



Premium Products 9000



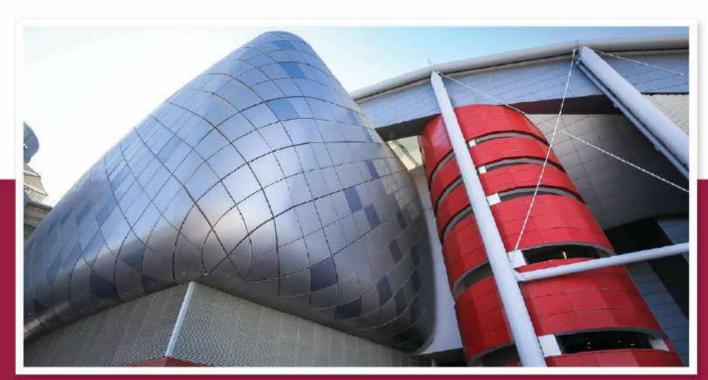
Corrugated Core Aluminium Panels (SINCO) Aluminium Composite Panels (FR Core) Aluminium Composite Panel (LDPE Core) PVDF Coated Alminium Coils

Commercial Products abond

Aluminium Composite Panels (FR Core) Aluminium Composite Panel (LDPE Core)

Signage Product qsign

Aluminium Composite Panel (LDPE Core)



CORRUGATED SINGLE ALUMINIUM CORE PANELS A2 CLASS

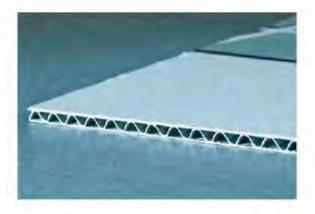
GCC patent app No. 2008/10962

PVDF Coated Alluminium Skin Adhesive Layer Adhesive Layer Service coated / Muli Finished Alluminium Skin

Physical and Mechanical Properties

Metal Composite Panels: ACP & SINCO are known for its versatile physical and mechanical proprieties. The top PVDF coated aluminium skin and the service coated bottom aluminium skin bonded on the corrugated aluminium core together with an adhesive. This thermosetting adhesive is processed in high temperature (about $150-200^{\circ}$ C), so there shall be neither adhesive failure of the bond between the core and the skin nor cohesive failure of the core itself. Here below are the standard physical and mechanical properties of the standard composite panels.

İtem	Method	Unit	SINCO 6 mm
Weight	-	Kg/m²	4.50
Coefficient of Linear Thermal Expansion mm/ mm/ °C	ASTM D696	X 10 -6/ ℃	9.2
Thermal Conductivity	ASTM C518	W/(m.K)	0.449
Tensile Strength	ASTM E8	MPa	50
0.2% Proof Stress	ASTM E8	MPa	44
Elongation	ASTM E8	%	5
Temperature Stability	2	oC .	-40 to 120



Advantages

- Non-Combustible
- · Resistance to Heat
- · Light Weight
- · Eco Friendly
- Durable
- Economic

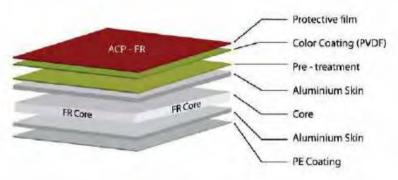


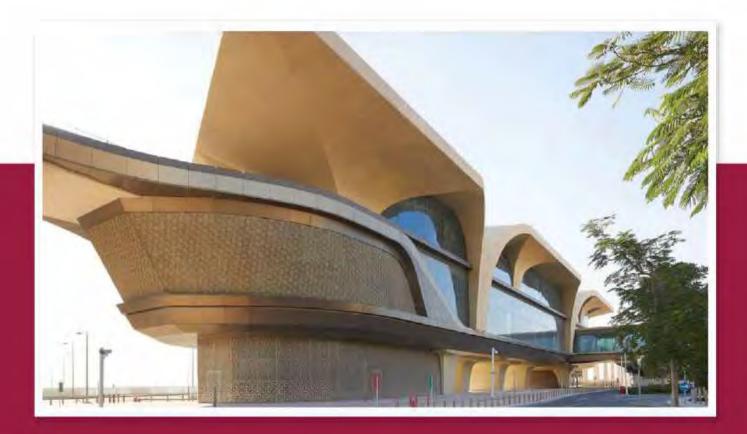


ALUMINIUM COMPOSITE PANEL: QNAP ACP-FR

Composition

QNAP ACP - FR is composed of a fire retardant mineral core sandwiched between two aluminium alloy sheets and is produced through continuous co-extrusion process by fully automated machinery for a perfect product. The face of the panel is layered with PVDF (Kynar 500) fluorocarbon coating while the rear is available in polyester coated.





ALUMINIUM COMPOSITE PANEL: QNAP ACP-PE

As a market leader, QNAP offers two types of Non-fire rated Aluminium Composite Panel, QNAP ACP – PE virgin & ACP – PE recycled core. These are high quality and cost effective solution for building facades.

Composition

QNAP ACP - PE (non fire rated) consists of two layers of light gauge Aluminium filled with virgin low density or Recycled LDPE core material. These panels are formed through continuous co-extrusion process providing high mechanical and chemical bonding.



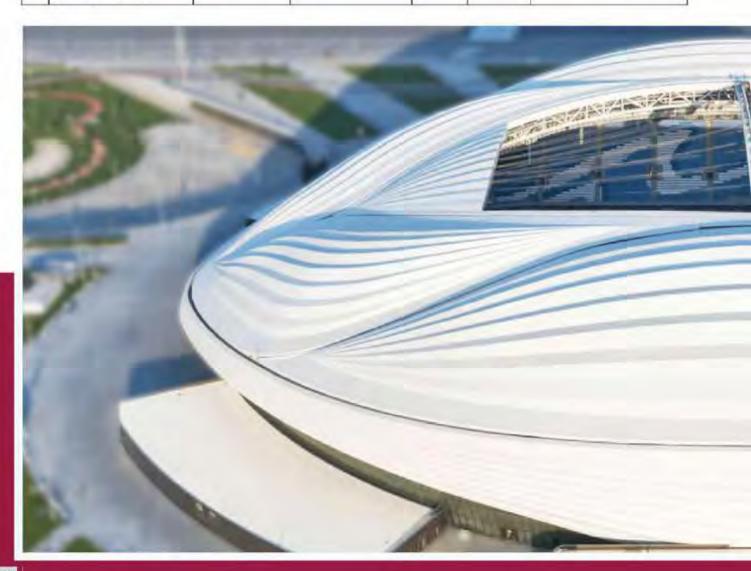






PRODUCT FIRE TESTING RESULTS

SI No.	Test Description	Test standard	Q-NAP SINCO	Q-NAP ACP-FR	Q-NAP ACP-PE	Test LAB
1	Surface spread of flame	BS 476 Part 6	Class 0	Class 0	Class 0	Bodycote Warrington Fire
2	Fire Propagation	BS 476 part 7	Class 1	Class 1	Class 1	Bodycote Warrington fire
3	Non-combustibility	BS 476 Part 4	Non-combustible			TUV SUD-PSB Singapore
	Testing of Flammability		Class A2			
4	Smoke Production	DIN 4102-1		Class B1		Bodycote Warrington Brandhaus
	Droplets					Didition 1003
5	Surface Burning Characteristic	ASTM E 84		Class A		Thomas Bell-Wright
6	Heat release, Flame spread, Smoke produc- tion, Flaming droplet, and Ignitability proper- ties of the product	EN 13501-1		B-S1,d0		TUV SUD-PSB Singapore
7	Fire Performance Evalu- ation of Non-Load bear- ing Aluminium Wall-clad Assembly	ASTM E 119	Passed	Passed		Southwest Research Insti- tute
8	Potential Heat of Building Materials	NFPA259		Passed		Intertek



PRODUCT DIMENSIONS

QNAP Panels are available in various dimensions, however our standard dimension is 4 X 1250 X 3200 mm. Other special sizes are as follows:

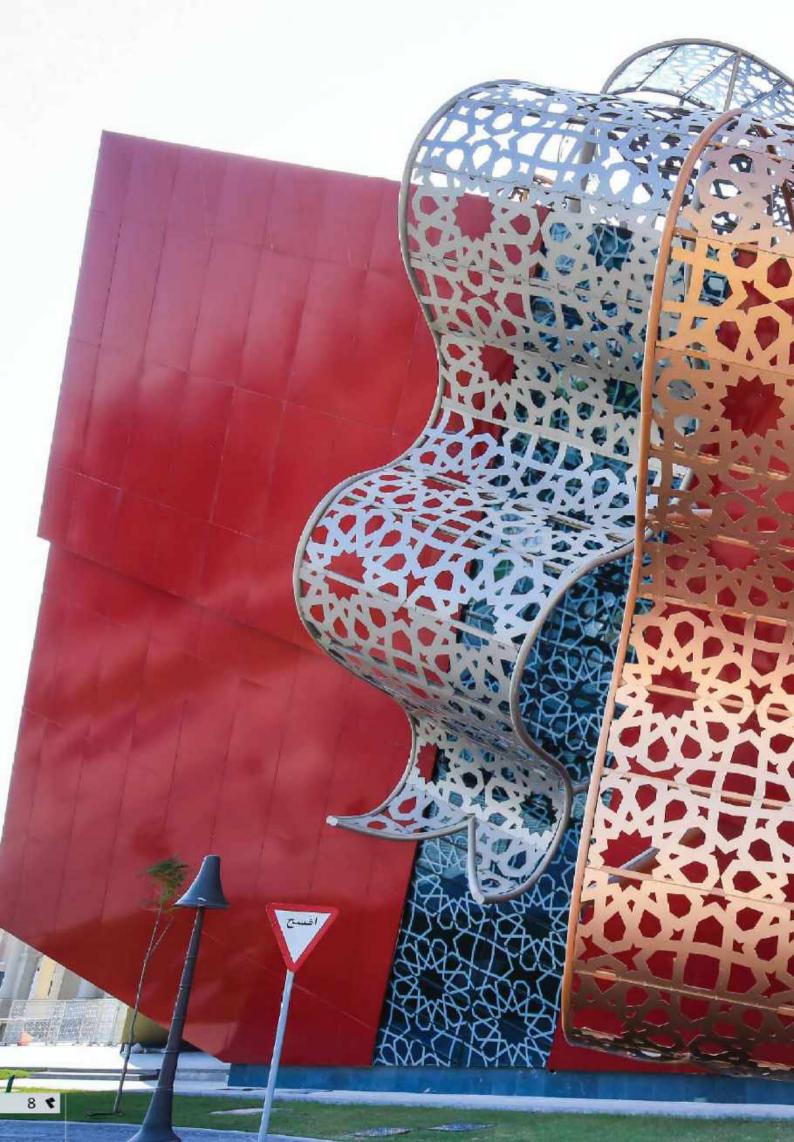
Dimension	Unit	Standard	Available
Width	mm	1250	1250/1500/2010
Length	mm	3200	2000 - 5800
Thickness	mm	4	3,5 & 6

COLOURS & FINISHES

Available in various colours & Finishes. There are three color -types: Metallic colours, Solid colours and Patterns (Stone, Timber & Mosaic). As a standard, all colours are fluorocarbon coating produced in our continuous coil coating line. Refer to our Colour chart for detail. Custom colours are also available for all finishes upon request subject to minimum order quantity.











COATING PERFORMANCE

PROPERTY	RESULT	STANDARD
Gloss @ 60 °	30-80 %	ASTM D 523-14
Pencil Hardness	2H	ASTM D 3363-05
Formability (T-Bend)	2 T, No Cracking	ASTM D 4145-10
Adhesion:		
Dry	No Change	ASTM D 3359 Method B
Wet	No Change	37.8 °C, 24 hrs.
Bolling Water	No Change	100°C, 20 Min.
Impact Resistance	No Pick off	ASTM D 2794, 50 Kg- cm
Abrasive Resistance (Falling Sand)	40 liters	ASTM D 968-17 Method A
Salt Spray Resistance	Passes 3000 hrs.	ASTM B 117-16
Color Retention	Accelerated Test 4000 hrs. Maximum 5 units	ASTM D 2244-16 ,ASTM B 117
Gloss Retention	Accelerated Test 4000 hrs. 90 %	ASTM D 523-14
Chalk Resistance	Accelerated Test 4000 hrs. Max. 8 units	ASTM D 4214-07
Chemical Resistance :		
Mortar Resistance	No loss of film adhesion	AAMA 2605
Detergent Resistance	No Change	ASTM D 2248
Sulphuric Acid	No Change	ASTM D 1308
Muriatic Acid	No Change	ASTM D 1308

PERFORMANCE STANDARD OF Q-NAP ACP-FR

Weight Kg/M² 7.5 - Tensile Strength Mpa 55 - Yield Stregth Mpa 47 ASTM E 8 Elongation % ≥ 5 - Deflection Temperature Under load °C > 221 ASTM D 648 Thermal Conductivity W/m.K 0.321 ASTM C 518 Sound Transmission STC 28 ASTM E	Weight Kg/M² 7.5 Tensile Strength Mpa 55 Yield Stregth Mpa 47 Elongation % ≥ 5 Deflection Temperature Under load Thermal Conductivity W/m.K 0.321	+				
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THE FOUR STAGES OF QUALITY

Pre-Production Quality Assurance

Material is inspected thoroughly before being issued to production. Every raw material has a "Quality Plan" specifying parameters for testing and Inspection.

In-Process Control

At each stage of production, quality is ensured by vigorous process control check. All quality parameters are checked and recorded as per the quality plan. Every production is carried out based on internal progress checks.

Post Production Quality Assurance

At the end of each production run, final inspection is carried out to ensure that the products meet international standards, traceability of the product is also ensured through "Batch" system, in which a unique Batch Code is printed on each sheet which traces back to all input materials used in production batch.

Pre-dispatch Inspection

The finished product is checked before dispatch. An obsession for quality is the primary driving force of QNAP.















APPLICATIONS

Metal Composite Panels are sophisticated products with diverse applications, especially at Airports, shopping malls, Sports Stadiums, Commercial Towers, Petrol Stations etc.

Building facades
False Ceiling
Interior Partitions & Decorations
Embossing of Complex Structures
Display Stands

Superior Aesthetic Creations

QNAP offers superior products that can offer aesthetic creations, adding value to the creativity and imagination of an architect.

Architectural Designs

QNAP panels are flexible yet rigid, offering diversity in application and making it one of the most favourite solution for complex design structures

Complex shapes

Versatile panels capable of making complex shapes provide uniqueness to the architecture a dream of designers and product of choice for builders.



PROJECT SHOWCASE



Al Sadd Building - West Bay - Doha



Duhail Handball Sports Hall, Doha, Qatar



Jaidah Tower, Airport Road - Doha



Barwa Complex, Al Sadd - Doha



Khalifa Stadium - Doha



Warehouse Building, Umm Salal - Doha



Qatar University Building - Doha



Woqod Tower, West Bay - Doha



Show room, Al Naser - Doha



Barwa Commercial Avenue - Doha



Woqod Petrol Station, East Muaither - Doha



Office Building, D-Ring Road - Doha



32 Industrial Facilities - Doha

Create your world Around





الشركة الوطنية القطرية للألواح الألمنيوم Qatar National Aluminium Panel Co.

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P.O. Box: 37809, Doha, Qatar

qbond qsign























الخليـــج لأنظـــمــة الحوائــط





تكنولوجيا البنساء الحديث







(INSULATED CONCRETE FORM) ICF

عبارة عن قوالب عازلة لصب الخرسانة من مادة البوليستيرين

تستخدم كحوائط حاملة بديلة للاعمدة والجسور وفواصل الطابوق الاسمنتي.

يفضل استخدامها للحوائط الخارجية فقط لتقليل التكلفة ولكي تعطى مجال للتعديلات الداخلية ان وجدت.

لماذا (ICF)

- ١- سرعة التنفيذ اذ يختصر اكتر من 60% من زمن التنفيذ .
 - ۲- عازل ممتاز للحرارة مقارنة بالطابوق العادى والابيض
 (UVALUE0.248 W/m2k)
 - ٣- عازل للصوت 56STC.
 - ٤- توفير في العمالة المستخدمة حيث يوفر اكثر من 50%
 من العمالة المستخدمة مقارنة بالبناء التقليدي .
 - ٥- توفير في الطاقة حيث يوفر اكثر من 60% من التكييف
 وبالتالي يوفر في الكهرباء .
- ٦- بناء قوى جدا ويعيش فترة اطول من البناء التقليدى وذلك نسبة لان الجدار الخرسائى محمى
 بمادة البوليسترين من الداخل والخارج حيث لايتاثر بعوامل الجو الخارجية المختلفة وعوامل
 التمدد والانكماش
 - ٧- سهولة التركيب لايحتاج لعمالة مدربة.
 - ٨- مقاوم للحريق لايحترق 3 ساعات (ASTM E119/Equivalent).

المقاسات

- ۱- تتكون بلكات ICF من شريحتين سماكة كل واحدة ٦ سم
- ٢- تربطهما ببعضها البعض شدادات من البلاستيك او الحديد ويضع عليها حديد التسليح ايضا
 - ۳- بینهما فراق مقاسه (۱۰ ۱۱ ۲۰ ۲۲ ۳۲) سم یملاً بالخرسانة المسلحة .
 وبالتالی یتراوح سماکة الجدار من ۲۲ سم ۲۲ سم ۳۲ سم .

أنواعه

المستقيم - زواية قائمة (كورن (L)) - زواية ٥٤ درجة - تى(T) - كروس









طريقة التركيب وطريقة البناء



الاساسات: عبارة عن قواعد شريطية متصلة مقاساتها حسب التصميم طبيعة التربة والاحمال الواقعة عليها ويراعى فى تتفيذها ان تكون على مستوى واحد حتى يسهل التركيب.

حوانط (ICF)

- ا- بعد التاكد من ان القواعد التى سوف توضع عليها الحوائط على مستوى واحد يتم تحديد زاوية المبنى
 وتحديد ورسم الحائط على الاساسات وعمل علامات .
 - ٢- ييدا التركيب من زوايا المبنى .
- ٣- يتم تركيب صف واحد ثم التاكد من انه على مستوى واحد ويتم تثبيته من الاسفل وتركيب باقى الجدار.
- ٤- يوضع حديد التسليح و غالبا مايكون من طبقة واحدة من حديد تسليح 15 ملم الى 12 ملم كل 45 سم في الاتجاهين يوضع الحديد الافقى او لا عند تركيب صف البلوك وبعد الانتهاء من الحائط يوضع الحديد الراسي بعد انزاله من الاعلى الى الاسفل (الحديد لايحتاج لربط).
- يتم تدعيم الجدار بجاكات خاصة بالنظام توضع كل (1.5متر الى 1.8 متر) حسب سماكة وطول الحائط
 وذلك الوزن الحائط قبل وبعد صب الخرسانة.
 - ٦- يتم صب الخرسانة باستخدام الخرسانة المسلحة العادية ويفضل ان تكون ذاتية الشك وذات حصى
 مقاس 10سم حتى لانتحتاج الى هزاز .

الأسقف



- ١- كل انواع الاسقف المستعملة في البناء مثل (HCS) اسقف الخرسانة الجاهزة سابقة الاجهاد.
 - ٢- الاسقف التي تصب في الموقع CAST IN SITU
 - . SPEED FLOOR T
 - ٤- اسقف الهوردي .

البلاستر (اللياسة)

- ١- تستخدم اللياسة العادية من الاسمنت والرمل وذلك بعد بوضع شبك حديد وعمل طرطشة ثم طبقة من البلاستـر
 وسماكة الباستر تتراوح بين (١,٠ سم الى ٢ سم).
- ٢- اللياسة الخاصة بمادة البوليستيرين بسماكة (٣ملم الى ٤ ملم) وذلك بوضع شبك من الفايبر ومسح مادة اسمنتية مع بعض المواد الاخرى الماسكة EIFS.

تمدیدات الخدمات (کهرباء سباکة مجاری تکییف)

يتميز النظام بسهولة وسرعة تمديدات الخدمات داخل الجدار وذلك بوضع جميع التمديدات داخل شر انح البوليستيرين وهي سهل القطع مقارنة بالطابوق الاسمنتي.







You have a lot of choices in the materials you choose to build with. That's why we do all we can to make it as fast, easy, and profitable as possible for you to build with Gulf Wall Systems.

Our unique ICF systems offers you the features that let you save time and money- using smaller crews that can finish faster than with conventional building methods. Plus, with Gwalls ICFs you can eliminate additional steps

in the field because of our variety of straight, corner and specialty forms, universal design, at-a-glance marking and internal ties every 15 cm to produce time savingfrom initial stacking through subcontractor finishing. And no one helps you deliver benefits to your customers like Gwalls - with walls that reduce energy cost, withstand tornadoes, fire, earthquakes and hurricanes, and lock out noise, outside allergens and mold.

Available in a variety of widths and corner configuration - and even two sizes of manufactured ledge and taper top forms - with Gwalls iForm it's never been easier to produce walls that are straight, square and plumb

The information in this booklet is for illustration purpose only.

The desireresult when installing a steel-reinforced concrete

wall that is straight, true and plumb.

There is more than one method that will correctly achieve this result.

Always refer to the most current Gulf walls Systems Product Manual for specific installation information













أمامكم الكثير من الخيارات في المواد التي تختارون استخدامها في البناء، ولهذا نفعل ما في وسعنا لجعل الأمر سريع، وسهل، ومربح قدر الإمكان لكم للبناء باستخدام الخليج لأنظمة الحوائط.



توفر انظمتنا الفريدة من (ICF) مزايا توفر الوقت والمال عن طريق الاستعانة باطقم عمل اصغر يمكنها أن تنجز العمل أسرع من طرق البناء التقليدية.



يمكنكم، علاوة على ذلك، استخدام (ICF) في استبعاد خطوات إضافية في المجال بفضل تنوع الأشكال المستقيمة، والزاوية، والمتخصصة، والتصميم العالمي، والتحديث السريع، والروابط الداخلية كل 15 سم لتوفير الوقت بداية من التكديس المبدئي وصولا إلى النشطيب من مقاول الباطن.



ان شركة الخليج الأنظمة الحوائط بمكنها مساعدتكم في تقديم ما لديها من نظام مباني يقلل استهلاك الطاقة والكهرباء ويتحمل الأعاصير والتغييرات الجوية والحرائق والزلازل والزوابع ويمنع الضوضاء وايضا المواد الخارجية المسببة للحساسية والرطوبة والعفن والتشفقات.





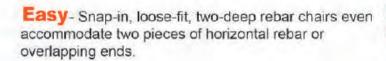
Available in a variety of widths and corner configuration and even two sizes of manufactured ledge and taper top forms - with Gwalls iForm it's never been easier to produce walls that are straight, square and plumb

Universal - No top or bottom, no right side or wrong end- even corners work as either left or right allowing for easy stacking. Reuse cut pieces to eliminate waste.





Strong - Vertical ties spaced horizontally 15cm on center. Provides unmatched strength during concrete pours.







Finish - Ties not only run the full length of the block formaximum strength, but are also recessed a full 1 cm to fasten TAFS, acrylic stucco and traditional stucco finishing.





يصلح لكل المخططات حيث يتوفر في شكل بلوكات مستقيمة وزاوية قانمة وزاوية ٥٤ درجة وشكل ايضا للاماكن الدائرية .

عالمي : يمكن التركيب من أي جانب داخلي او خارجي حتسي الزوايا يمكن استخدامها فمي اليمين أو اليسار مما يتيح سهولة التركيب، ويمكن إعادة استخدام القطع المقطوعة للتخلص من النفايات.





قوي: الروابط العمودية التي تربط طبقات الفوم والتي يتم وضعها أفقيا على مسافات 15 سم في المركز، وهذا يوفر قوة لا مثيل لها أثناء صب الخرسانة.



سهل : تركيب حديد التسليح على الكراسي المخصصي لذلك .



التشطيب : كما ايضاً يمكن الاستقامة في تثبيت البراغي عليها لأعمال التشطيبات مثل تركيب الحجر - السراميك ألواح الجيس والبلاستيك وخلاف.





Gwalls 5-in-1 ICF Wall

Gulf Wall Systems serves as a true 5-in-1 wall system. Each ICF wall completes the following trades, which allows for maximum construction efficiency and job site saving.

1. Structural Wall:

Steel-reinforced concrete.

2. Insulation:

Total of 12 cm of EPS with an R-Value of 22.

3. Air Barrier:

Solid monolithic wall.

4. Vapor Retarder:

PERM rating of 0.70 (0.30 with gypsum wall board)

5. Furring:

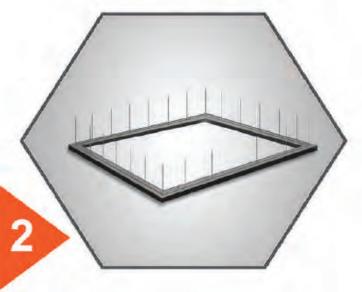
Embedded attachment strips.



FIRST THING

Properly installed footing is the key to quick and accurate installation. Footing should be smooth, square and level to ensure walls are straight, plumb and level. Refer to your local building code for required dimensions and reinforcement.





دركيبها على نحو سليم وينبغي أن تكون القواعد ملساء، ومربعة، ومستوية للحرص على أن تكون الحوائط مستقيمة، وعمودية، ومستوية؛ ويُرجى الرجوع إلى عمل قواعد شريطية حسب التصميم المطلوب.

Use one of serveral methods to attach formwork to footing :

- Anchor 6 cm metal starter track along chalk line to straddle inside or outside layer of foam.
- 2. Anchor 2x wood cleats along exposed face inside layer of foam or anchor 2x wood cleats along exposed face of outside layer once two courses are stacked. Shim or shave bottom of form to level up the first course.
- Glue the bottom of the first courses of forms to the footing.

ابعد التأكد من ان القواعد مستديمة و على ارتفاع مستوى واحد يتم تخطيط الجدار على القاعدة والتأكد من ذلك بعد مطابقتها مع المخططات.



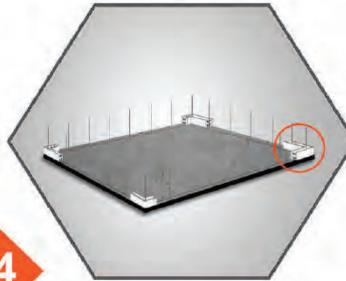


Vertical wall reinforcement is typically inserted down through the form work once the wall forms have been stacked to their final height. There are two favored methods to secure vertical rebar to reinforcement dowels:

1. Place a PVC collar over footing dowels or

2. Create 5cm deep depression in top of footing at wall reinforcement locations. Consult local building codes for approved methods.





يتم تسليح الحديد عادة بطبقة واحدة من حديد التسليح فى الاتجاهين الابعاد حسب التصميم . حيث يتم تثبيتها بزرع عشائر من القاعدة يتم ربط الحديد الرأسي مع العشائر بوضع قطع من مواسير ليتم انزال الحديد الرأسي عليها لاحق

عند البدء في تركيب حائط (ICF) بتم تركيب الزوايا

أولاً في الأركان ثم بعد ذلك يكمل الباقي الحائط

ويجب عكس الزاوية في كل صف.

Set corner block first, and then work out in both direction toward the middle of each wall.

The location where a full block is cut to close the required corner to corner dimensions becomes the common seam.

To start the second course, flip the corner blogs to stagger the seams between blocks and work out in both directions. Cut again at the common seam location established on the first course. This will maintain the alignment of form ties out from the corners on both sides of the common seam.



Secure the corner blocks to the straight blocks with horizontal wire hooks by connecting the block ties inside the forms of either side of the joints. Apply bracing on both sides of the corner.





تثبت الزواية بواسطة اسلاك أفقية ورأسية

يتم وضع حديد التسليح الافقى عند تركيب كل صف ويجب وضعها على الكراسي المخصصه لذلك

Continue to install horizontal

reinforcement as required as the forms are stacked.

Vertical reinforcement will be inserted down through the formwork once stacking has reached in the final height of the wall. Our ICF ties can accommodate a lap splice of up to two- 16 cm rebars without being tied.



Assemble and install all door and window bucks as wall forms are being installed, making sure they are braced, straight, level, plumb and secured to the wall. Install all reinforcement required around each opening.



يتم تركيب فريمات خاصة من صناعة Gwalls من (P.V.C) من اماكن الشبابيك والأبواب ويجب التأكد من تثبيتها جيداً وانها مستقيمة وعمودية ومثبتة جيداً كما يجب اضافة حديد تسليح أعلى فتحات الشبابيك والابواب (أماكن الاعتاب).

Bracing should be placed a maximum of 1.8 meter on center along one side of each wall.
Windows and doors should be braced separately.
Proper bracing helps ensure straight and plumb walls.

واحد فقط للحائط يتم تركيبها على مسافة 1.8 م على الأكثر وينبغى تقوية اماكن الابواب والشبابيك بشكل منفصل وتساعد التقوية هذه فى الحرص على ان تكون الخرسانة مستقيمة و عمودية وذلك بالتأكد منها قبل وبعد صب الخرسانة .

يتم استخدام تدعيم خاصة في جانب



at T-wall intersections.

Walls are most often braced from the inside, but bracing on the outside is also an option. Windows and doors can be braced to the outside to reduce inside clutter. At this stage you will want to be sure that penetrations through the wall for vents, outlets, fixtures and utility lines have been properly planned for, installed and reinforced. Be sure to provide proper bracing



غالبا ما يتم تقوية الحوائط من الداخل بيد أنه يمكن تقويتها من الخارج أيضا، ويمكن تقوية النوافذ والأبواب من الخارج لتقليل الضجيج الداخلي، الحرص على توفير تقوية مناسبة لتقاطعات الجدار بشكل حرف T.

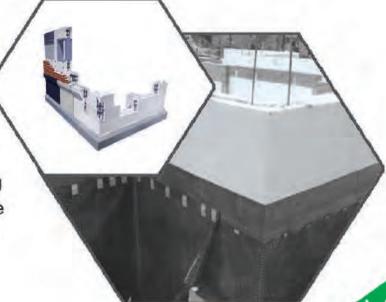
10

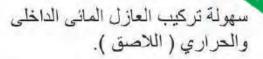
Prior to placing the concrete, review
Gwalls pre-pour checklist in the Gwalls
Product Manual. Place concrete in
multiple lifts, each at a standard height
of 2 meter, properly consolidated. Gwalls
recommends using a 3-inch reducer at
the end of the hose to slow the flow of the
concrete.

عند صب الخرسانة يجب الاطلاع على كتيب المواصفات الخاصة بشركة الخليج لأنظمة الحوائط. وذلك لأختيار نوع الخرسانة المناسبة وحجمها كذلك يجب صب الخرسانة على طبقات بحيث لا يزيد ارتفاع الطبقة عن ٢ متر وتقليل الضغط لمضخة الخرسانة عن الصب باستخدام الخاصة بذلك .



As with any below - grade structure, it is important for Gwalls ICF walls to receive waterproofing protection compatible with expanded polystyrene. Any waterproofing should be installed in accordance with the waterproofing membrane manufacturer's instructions.







12

سهولة تركيب وتمديدات الكهرباء والسباكة وذلك يقطع في شريحة الفوم فقط بعد صب الخرسانة باستخدام ادوات القطع بالتسخين أول خلافه

To easily install utilities, cut a channel into

the foam with a hot knife or router to the depth required by local code.

Insert the electrical or plumbing into the channel.

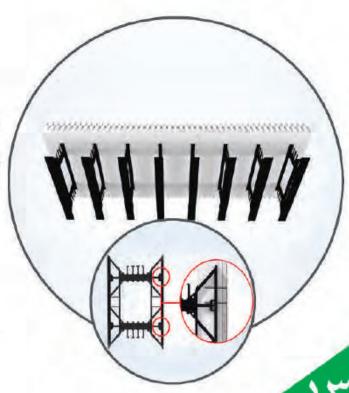
Use EPS compatible foam adhesive

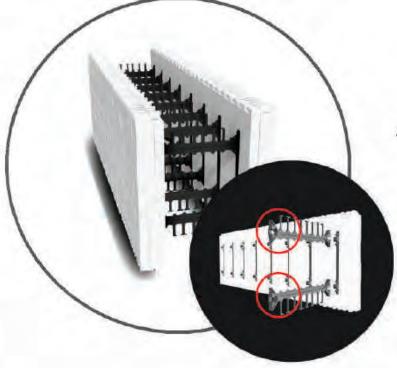
or foam backer rod to hold in place.



The recessed fastening strips on the ends of the form ties are clearly marked on the exterior of the foam and provide continuous attachment every 6 inches on center. Any type of interior or exterior finish can be applied directly to the form. Building codes require interior EPS foam in habitable spaces to be covered by a 15-minute thermal barrier

(1/2 inch drywall - gypsum board , for example).





البلاستيك المزروع داخل شريحة الفوم محدد بخطين من الخارج وذلك للاستفادة منه في تثبيت البراغي عند أعمال التشطيبات المختلفة



الخليج لأنظمة الحوائط ۱۱۶۰۹۵ سه سسس







EGYPT SCHOOL

















SOME OF OUR PROJECTS

SAUDI ARABIA Residential complex







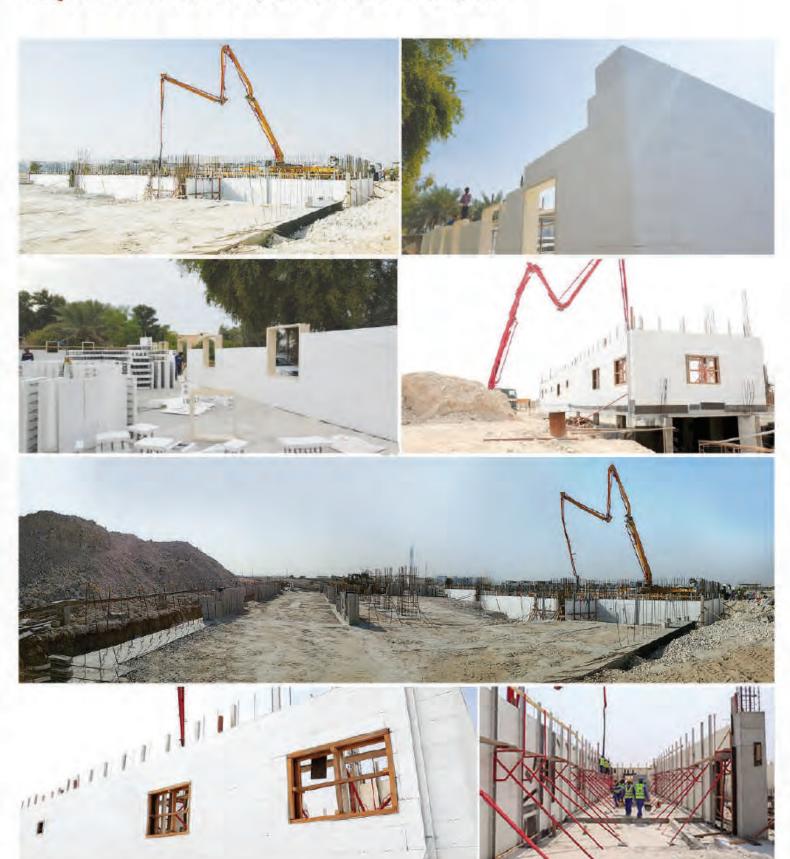
DUBAI Villas Complex



www.gwalls.qa



QATAR Doha - Qatar Complex & Majles





































GWALLS FACTORY







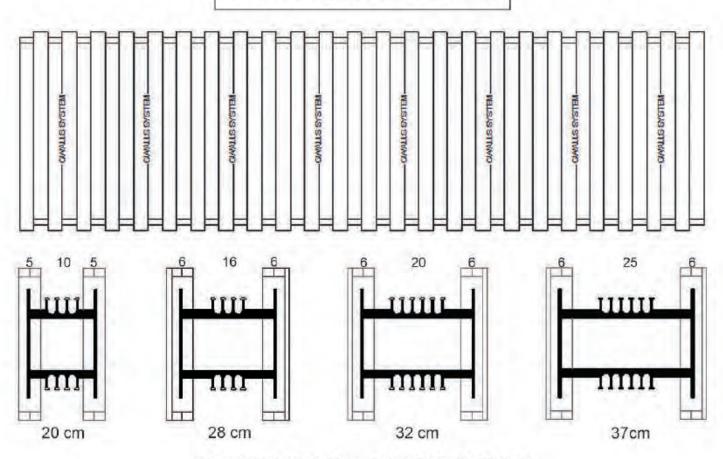




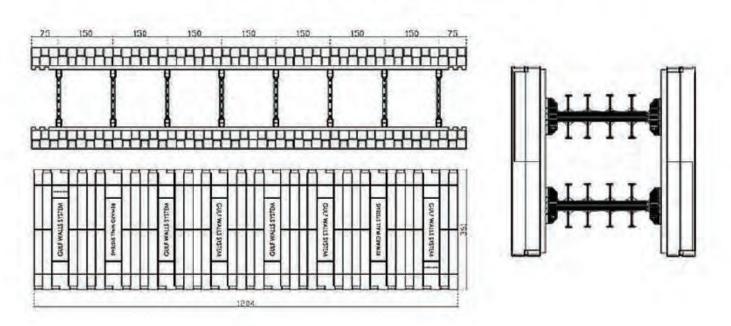




CONFIGURATIONS



ICF S IN DIFFERENT CONCRETE WIDTHS

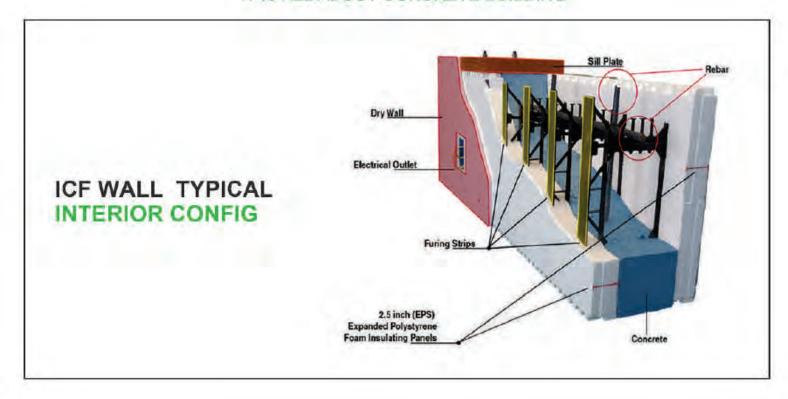


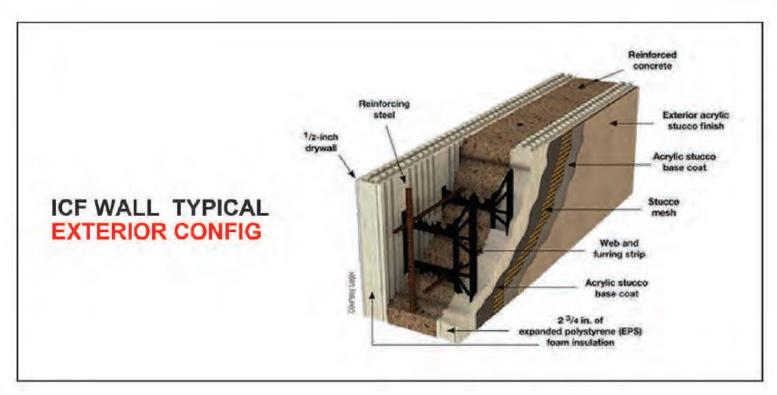




CONSTRUCTION

IT IS ALL ABOUT CONCRETE BUILDING





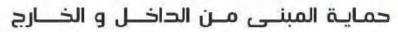




Z

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BUIL



PROTECT THE BUILDING FROM THE INSIDE AND OUTSIDE



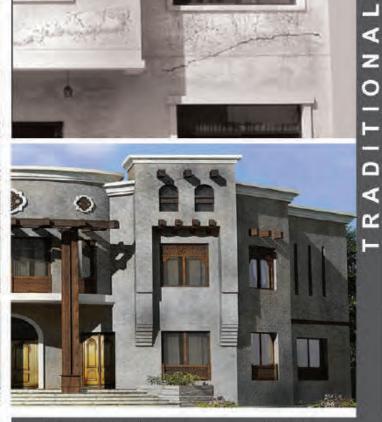




INSULATING CONCRETE FORM) ICF







مع نظام ICF عمر أطول للمبنى وحماية كاملة من الداخل والخارج وعدم تأثير للمبنى مهما تغير الأحوال الجوية على مدار الزمن يظل المبنى جديد وبنفس الفوة داخلي وخارجي

سنجد هنا في البناء الثقليدي مع مرور المراحل الزمنية واختلاف الطقس تغييرفي المبنَّى من الداخلُ والْخارج وظهور انشقاقات وتغيير في لون المبنى وظهور علامات الرطوبة ومن الداخل اضا بالإضافة الى الحرارة.

ICF PROTECT YOUR HOUSE





ENERGY SAVING



Reduce electricity consumption in the rate of 70%

Increased electricity consumption





ة العمل فد المشروع



يدي) بأننا مازلنا في البدايات ويتبقى وقت طويل على الانتهاء لهاء وذلك لسهولة التركيب والتنفيذ بأمكانك البناء في اقل مدة



بعد 7 أسابيع من بداي



نلاحظ هنا ما تم انجازه في تلك الموقعين فنجد في (البناء التقلا الما في الموقع الآخر مع استخدام (ICF) قد أوشكنا على الانت







BUILDING BLOCK SYSTEM COMPARISON CHART

PROPERTY	INSULATING CONCRETE FORM (1 C F)	AUTOCLAVED AERATED CONCRETE (AAC WHITE BLOCK)	THERMAL INSULATED CMU	HOLLOW BLOCK
PIECES/M ²	2.38	8.33	12.50	12.50
WEIGHT/M ²	110 Kg	120 Kg	287 Kg	287 Kg
C. STRENGTH	5 N	5 N	7.5 N	7.5 N
STC	54	45	50	45
U Value (Metric)	0.25	0.56	0.463	2.10
R Value (Metrig	A CONTRACTOR	1.78	2.1	0.47
Wind Load	5900 Pa (123 Pst)	1340 Pa (28 Pst)		
Avg. Speed of Construction	450 – 650 qm *	40 – 50 Sqm *	15 ~ 20 Sqm*	15 -20 Sqm *
SIZE / BLOCK	0.20 × 0.35 X 1.2	0.2 X 0.2 X 0.6	0.2 X 0.2 X 0.4	0.2 × 0.2 × 0.4
PICTURE	VVIIIIVA		d)	T

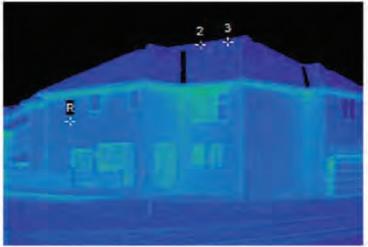






ADVANTAGES





Conventional Home

ICF Constructed Home

Shows heat loss through exterior walls

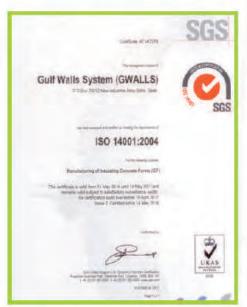
Shows NO heat loss through exterior walls

Infrared Photos Color Legend

Blue : Heat loss (< 2° temperature change)
Yellow : Heat loss (< 3-10° temperature change)
Red : Heat loss (< 11-20° temperature change)











CETTIFICATES



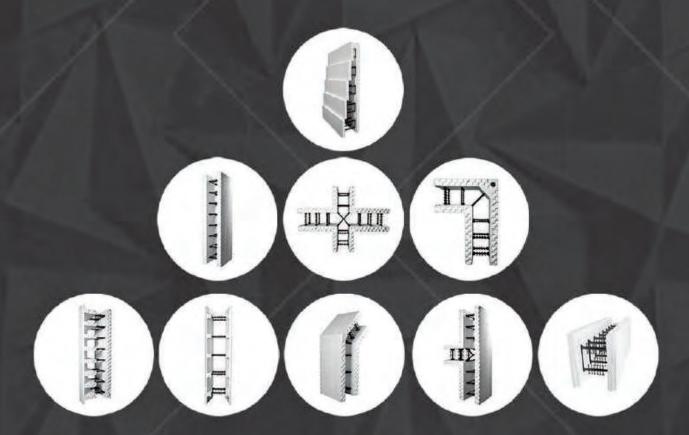
SVALLS GULF WALLS SYSTEM































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gulfwalls









www.gwalls.qa





Designed to inspire





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Vision

"Our ultimate aim is to raise façade architecture, façade technology and the façade industry to a level of global and continuous excellence."

Mission

To manufacture and fit ethically sourced highquality architectural envelopes for the GCC market that is delivered on time every time. With our market leading innovation backed by continuous investment in both our people and technology we guarantee a service that exceeds the expectations of our customers.



Greetings from NATA,

It is with pride and honour that I present to you our new updated brochure of NATA-ALUMINIUM AND GLAZING-QATAR. We have chosen to demonstrate some of the key achievements of NATA and it services towards the achieving customer satisfaction.

NATA was founded with a clear Vision to support QATAR's growing construction industry by providing craftsmanship, combined with modern technology and to deliver the best to fulfill the satisfaction of our clients & customer.

NATA's strategy is to bring contemporary and innovative technology from and around the world in the aluminium & glass industry and become a part of the infrastructure development efforts in the state of Qatar.

NATA's clear mission is to facilitate a profitable relationship between technology, innovators and ultimate end users.

NATA's services are a blend of quality and innovation and we are committed to achieve customer satisfaction by rendering the highest quality and service to the client. Client satisfaction is our top priority and we leave no stone unturned to achieve it. With a highly qualified team of professionals who serve the needs of each client, thus ensuring optimum, guaranteed execution of our service

We thank you for your support and from all of us at NATA, we wish our association continues for many years ahead.

Thanking you,

Sheikh Naif Bin Ali Al Thani

Chairman - National Group



NATA was established in 2014 with a clear vision to support Qatar's growing architectural industry. In a short span of time NATA has demonstrated its skill and architectural excellence by working on some of the key projects in the state of Qatar and earned recognition from leading consultants and contractors.

NATA has a presence in all GCC countries with support staff to provide services to the entire GCC construction industry.



NATA is fully backed by an experienced human resource consisting of engineers and general work force, which can handle challenging projects given to them with their skill and knowledge of architectural products.

NATA Core Values

Integrity: Ethics and integrity are the foundation of our brand and the

guiding principles for all we do.

Safety: Priority number one. We are focused on our own personal safety

as well as the safety of others.

Collaboration: We work together with customers and understand that everyone

has a role in providing the best solution.

Competition: We compete to win. We know that competition makes everyone

stronger.

Creativity: We are resourceful. We are innovative and strive to apply the

right technology and solution every time.

Reliability: We deliver what we promise. We believe the quality of our

service defines who we are.

Respect: We are honest with ourselves and each other. We value our

diverse skills and talents, and know we are stronger together as

one family.





At this stage, our experienced engineers work closely with the architects to fulfill the aesthetic requirements of the owner and seek for the conceptual design criteria of feasible alternatives and present the findings and recommendations, including estimated costs of various aspects. 3D multimedia presentation is also used for visualisation.

Engineering

This stage consists of a computer structural analysis to provide all the calculations that satisfy code requirements. Prepare shop drawings and specifications. Prepare operations and maintenance manual where required.





Manufacturing

This is the stage where shop drawings are ready and sent to the workshop or site for fabrication. Manufacture all structural members, and accessories for a complete installation. Code each member, component and part for easy identification.

Project Management

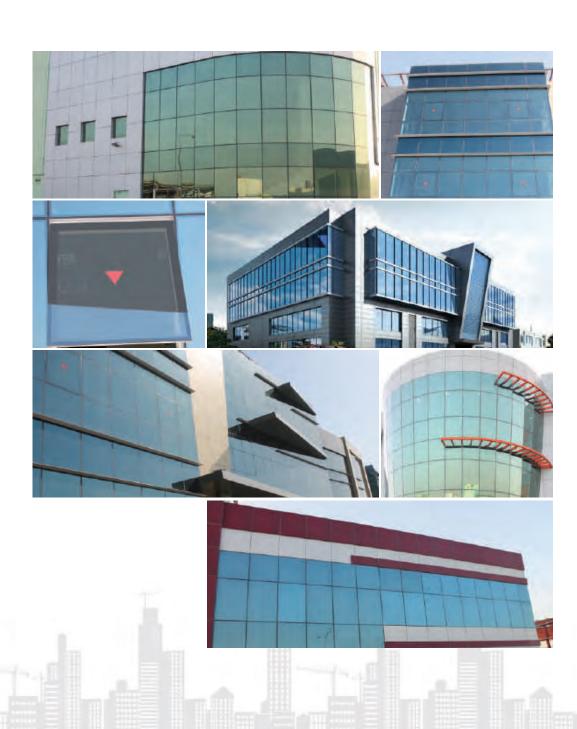
Introduced at an early stage the Project Manager or Site Engineer will act as the main point of contact throughout the project duration, responding to constantly changing programmes and providing the client with regular progress reports.



Curtainwall is an aluminium framed wall containing infills of glass. The framing is attached to the building structure and does not carry the floor or roof loads of the buildings. The wind and gravity loads of the curtain wall are transferred to the building structure, typically at the floor line.

Structural Glazing is a system of bonding glass to an aluminium frame of curtainwall utilising a high strength, high performance silicone sealant and these silicone sealants are specifically designed and tested on structural glazing. In this dynamic wind loads are transferred from the glass, by the structural silicone sealant, to the perimeter structural support.

It increases the thermal efficiency of buildings because the exterior exposure of metal framing is either reduced or eliminated. It reduces or eliminates water and air infiltration and it reduces the potential for thermal breakage of glass.





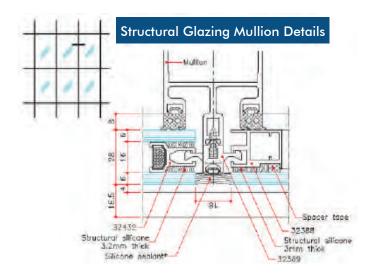
Type of curtain wall system

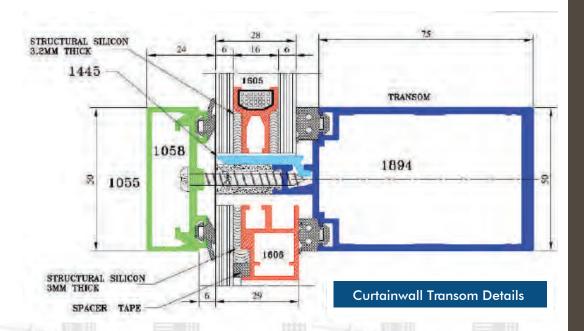
- Unitised curtain wall
- 2. Stick system.

Type of Structural Glazing

- 1. 4-way structural glazing
- 2. 2-way structural glazing
- 3. Conventional structural glazing.

We are proud to be partnered with some of the world class system providers in curtainwall, such as INSTALLUX-FRANCE,ALUMILL-GREECE,REYNEARS -FRANCE

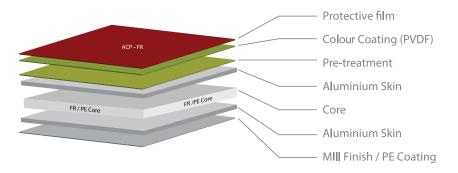




OMBOSITE Aluminiun

Aluminum Composite Panel Cladding (ACP) is a widely-used term, describing flat panels that consist of a thermoplastic core bonded between two aluminum sheets. ACPs are frequently used for the external cladding of buildings (building facades). The main advantage of ACP is that, it is very rigid and strong, despite of its light weight. Due to the ability of painting the aluminum in any colour, ACPs are produced in a wide range of metallic and non-metallic colours, as well as patterns that imitate other materials, such as wood or marble. Applications of ACPs are not limited to a building's external cladding; they can be used in any cladding application such as partitions, false ceilings etc. Aluminium composite panels are available in various thickness and various brands. ACP sheets have excellent finish and are PVDF coated up to 35 microns. It can be bent, cut, drilled, punched and easily shaped into complex shapes. Easy installation and fabrication saves cost and time during periods of construction.

- Ultra modern look and excellent flatness.
- · Light weight.
- Sound insulation and pollution resistant.
- Acid, alkali and salt spray resistant.
- Smooth paint finish and stability of flatness.
- Excellent UV characteristics.
- Resistant to blow and breakage.
- Minimises vibration noise.
- Heat insulation
- Ease of installation and fabrication.
- Complex shapes possible.
- Easy maintenance.
- Superior flatness to other cladding products.
- Various colour choice.

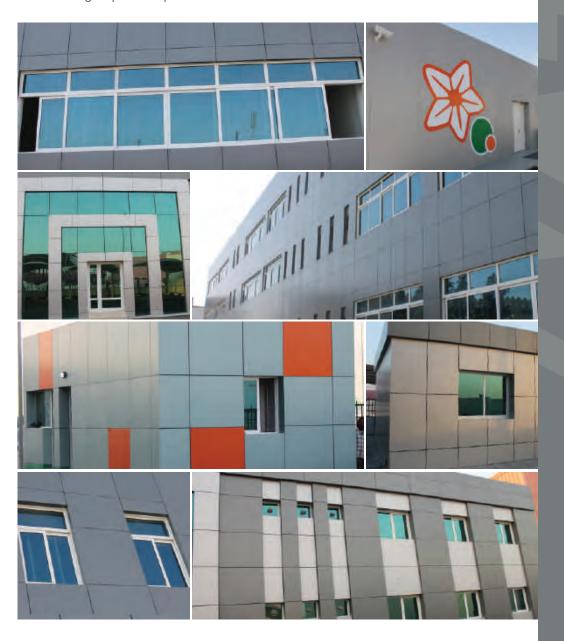




Type of curtain wall system

- ALUMINIUM COMPOSITE PANEL (FR- FIRE RATED)
- ALUMINIUM COMPOSITE PANEL (PE- NON FIRE RATED) 2.
- 3. ALUMINIUM CORRUGATED PANEL (ALUCOMB)

NATA is backed up by one of the leading manufacturers of ACP in the MIDDLE EAST and is the only manufacturer in QATAR. Q-nap ACP manufacturing belongs to our own group of companies.



Composite Panels **Aluminium**



Skylights add natural lighting to interiors and its a great way to add an exciting element to a lackluster, lifeless room that need a little enhancement.

Fea

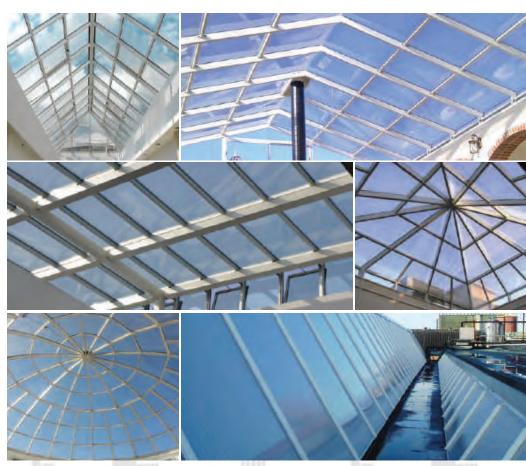
- · Allows diffused light to enter.
- Adds to the aesthetic appeal of the viewer.
- Any of the shapes can be fabricated.
- We provide Skylights of glass and polycarbonate material.

Skylights in various shapes

Dome, Ridge, Vault, Pyramid with Polygon shapes can be fabricated as per requirement and can be cladded with polycarbonate sheets, fiber sheets, laminated glass etc.

Skylight Glasses:

We use high performance laminated glass, which does not shatter like ordinary glass. It absorbs impact, resists penetration and remains intact even if broken, holding glass fragments in place and lowering the risk of injury. Laminated glass is an excellent barrier to noise as shown by the sheer damping performance of the plastic interlayer makes laminated glass an effective sound control product.



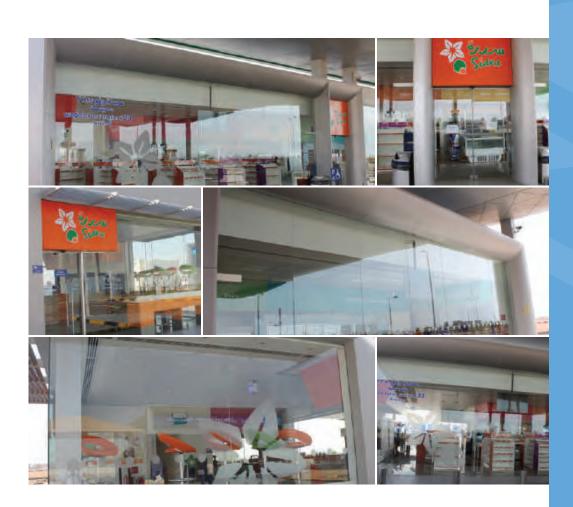


Glass partitions refer to walls or dividers within units or between private units and common areas, which are made of glass or other transparent or translucent materials (such as plexiglass). These can include foggy or etched glass, or walls made of glass blocks

Glass partition made of 12mm clear tempered glass with design or sandblasting .

Products

- Frameless Swings doors
- Frameless Glass exterior glass partition.
- Frameless sliding doors .
- Office cabins



Glass Doors & Windows

We undertake the fabrication and installation of commercial and residential glasses including custom shower doors and enclosures, custom mirrors, commercial store fronts, glass table tops and so much more.

Aluminium Windows

- Double or single leaf window
- Arch window
- Horizontal sliding window
- Vertical sliding window
- Hinged window
- Fixed & movable window
- Tilt and turn windows

Aluminium Doors

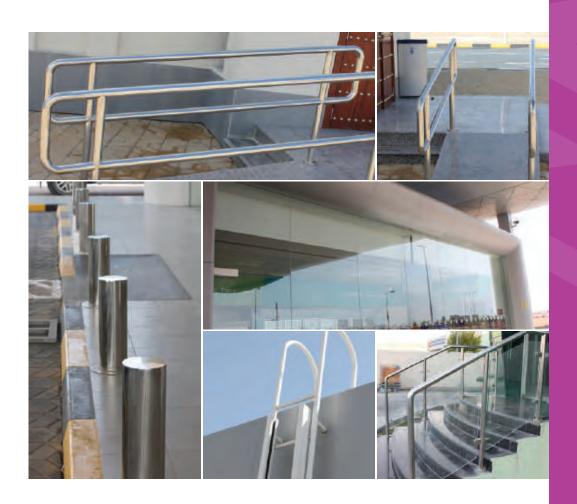
- Double glazed doors
- Fiber doors
- Louver doors
- Automatic sliding and revolving doors
- Swing doors





We are specialists in the supply and installation of stainless steel custom fabricated handrils and balustrades and cater for both large and small projects in both the domestic and commercial sectors

- Corrosion resistance
- Fire & heat resistance
- Hygienic
- Aesthetic appearance
- Strength-to-weight advantage
- Ease of fabrication
- Impact resistance
- Long term value







Spider glazing is a modern solution for exterior bolted glass assemblies, which secures the glazing to a support structure by means of point-fixings. It is a complete system for bolted glass structures and the complete package includes the glass, fixings, fasteners and SPIDER brackets for connection to the framework or structure.

Structure Types

- Glass Fins Support Systems
- Metal Structure System

Advantages

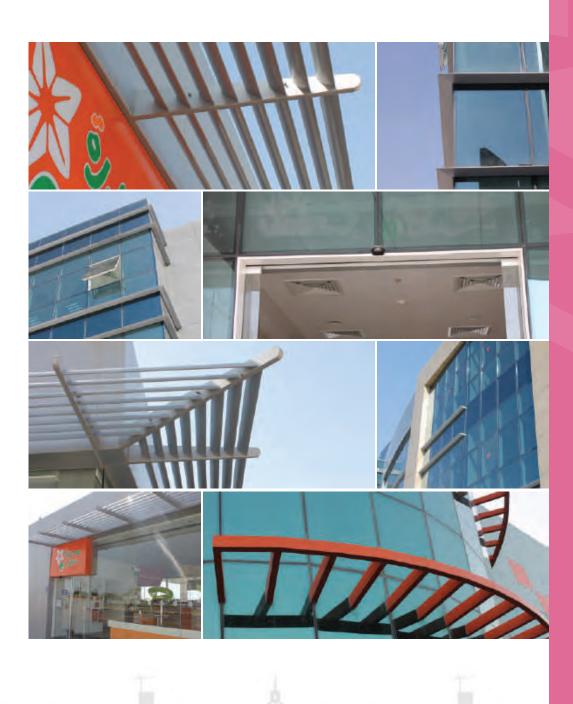
- · Large and fully smooth glazed area
- Doors and windows can be inserted in a spider glass façade
- Excellent adaptation to local requirements.
- Full daylight on all sides.
- Double and single glazing.
- Good thermal insulation with 16mm airspace in double glazing.
- A solution to more and more structural needs.





Architectural louvers are used to enhance the appearance of a buildings's exterior or enliven large interior walls. Architectural and decorative louvers are often designed in pleasing shapes, such as triangular, octagonal, round, oval, half-round or half-oval, cathedral or eyebrow.

NATA's fabrication capabilities are equipped to manufacture architectural and decorative louvers that perfectly fit and compliment the environment in which they will be used. Just about any size and shape of architectural or decorative louver is within our capacity to manufacture.



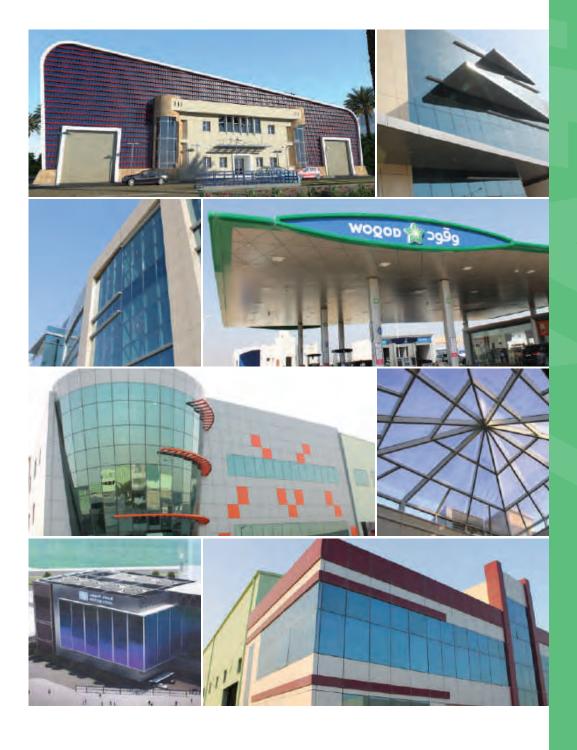
NATA has always been able to relate to the varying expectations of every customer and more so in providing for requirements that are unique and specially demanded.

Customised products and ideas for our clients have therefore set us apart in ensuring and providing more than just a simple and common version, but also one of a kind creations.









NATA's fabrication capabilities are equipped to manufacture architectural aluminium products that perfectly fit and complement the environment in which they will be used.

NATA owns some of the most revered state of the art manufacturing facilities which provides us with more than just quality, but with new standards of performance and improvisation.







HAL 1900	HAL 1001	FIAL 1202	FIAL 1001	HB_ 1004	19/L 1976	48AL 1000	HAL 1007
TAL INII	AND VARIA	RAL 1013	RAL WILL	RAC HITT	RAL 1018	BALIDIT	54, 1010
-4 (d))	1/44 HER	FUAL 1021	HAE 1021	(16, 10)	691.1927	804. (U2)	10C 10Z
SAL 1925	RAL TILL	16/1000	((AL200)	EA. 2007	84.290	(A.20)	HH.2000
160, 2007	RAL 2009	HAC2011	HAC-903	F64: 2000	RPL 3601	800_300E	RAL 3003
SAL SKIL	FAL 1005	TAL 3007	Fide and	RACION 1	10h 1812	EA: 3015	14.20
TAL 3015	EAL 3018	和 配信	RAL MIT	EXC 3031	WAL THE	RAL 3027	EAL 3001
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THE MOSTS	RAL YOM	RAI. 9008	FEAL WHE	RA: 1011	RAL SELL	FRAL 9017	RAL NOTE





























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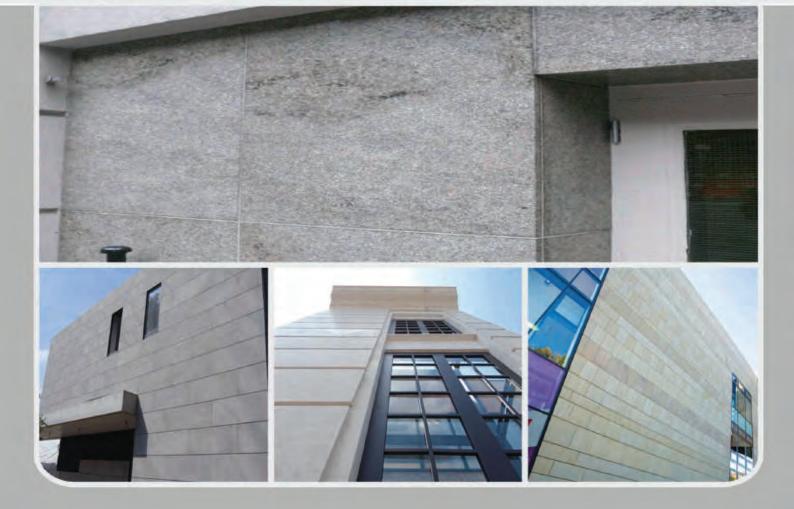
BAHRAIN

Exhibition Avenue Zubara 318, Manama 321 Kingdom of Bahrain T: (+973) 1721 4439 M: (+973) 3222 4098









INTRODUCTION

Yet another innovative product of Qnap[®]. Qstone is an excellent cladding solution for building fascia with natural stone. Perfect blend of thin Natural stone with backing of our non-combustible ACM (Sinco[®]) derived as a provides a superior construction solution.

Qstone® is another distinguished product from our technological partners (NIT Germany Gmbh) materialized at our production facilities in Qatar for catering the needs of booming regional construction industry. It is our high-end engineering skills combined with effective imagination evolved as a genuine solution to overcome various practical difficulties in stone cladding of buildings.

State-of-the art stone clad qstone® is available in various finishes and sizes, which is doubtlessly an ultimate choice for the cladding industry from our esteemed product-line.



















STONE

Ostone® is a perfect blend of time tested solution in a unique way for easy and convenient application.

PRODUCT

Qstone is available in various finishes of natural stone from celebrated sources across the world.

It is manufactured at our manufacturing facility in Qatar utilizing expertize of our Technological partners in Germany.

Qstone® is natural stone faced cladding made of thin natural stone bonded together with aluminum panels using specially formulated adhesive compound for superior adhesion and longevity.

Qstone® is light weight and easy to handle product which makes it superior among other natural cladding solutions for interior and exterior .

Ostone® is available in various finishes, dimensions and tickness convenient to use .

Length : 60 - 120 cm

■ Width : 60 - 120 cm

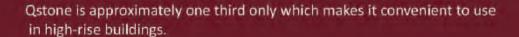
● Thickness: 12 - 14 mm

Weight: 20.5 - 26.5 kg

 Dimensional Tolerance = maximum +/-2mm per 1.2 m at any direction

LIGHT WEIGHT

Qstone[®] is a lightweight natural stone solution while natural stone are generally weighed at an average of 68 Kg per Square Meter.



Fast, Easy & Cost Effective .

Qstone® panels are Thin and light weight panels are easy to handle and fix it over light frame work which ultimately reduce construction time as well as load of the building.

AESTHETIC NATURAL FINISH

Stones always fascinated man with its natural beauty throughout history. At times of vertical developments high-rise building has load limitations to use which restricts natural stone claddings on it, qstone® provides an excellent solution of natural finish for such buildings.

It is an ideal cost effective solution for magnificent and aesthetic interiors of lobbies of hotels and commercial buildings

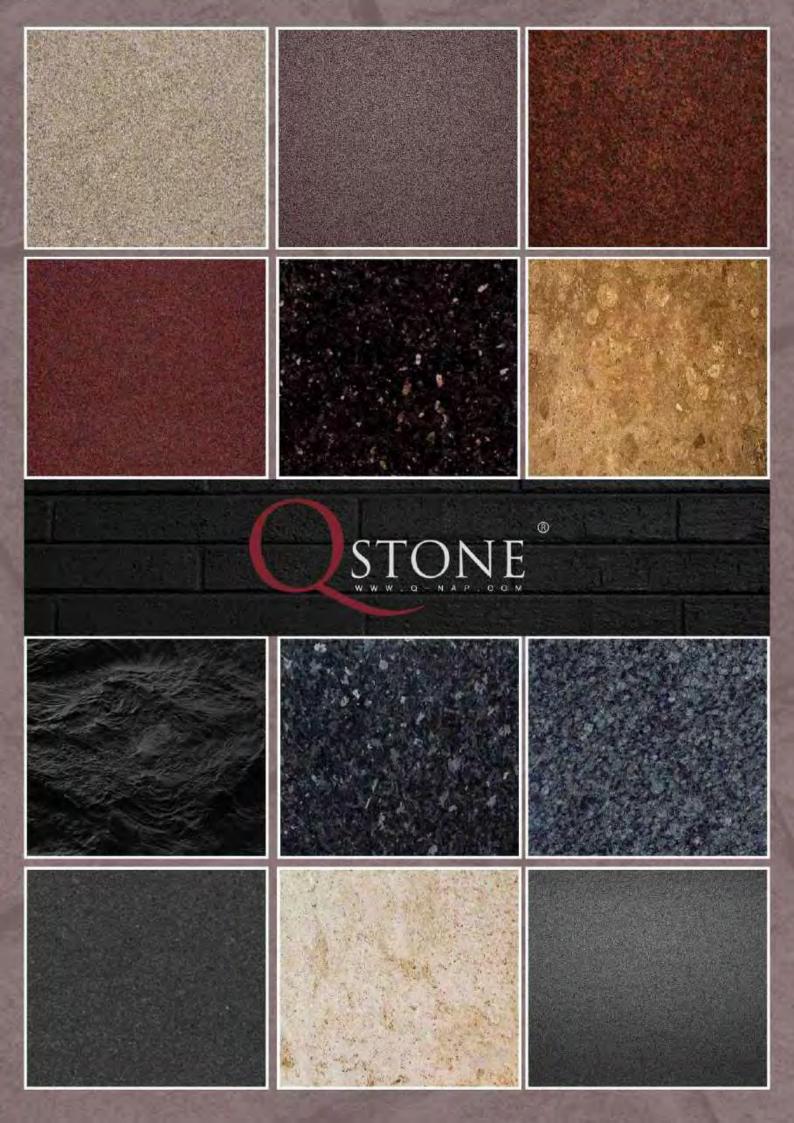
Ostone[®] is available in various finishes such as marbles, granites, limestones, Onyx, Travertines, Sandstones, Slates etc. from the celebrated sources across the world the One lot to choose.



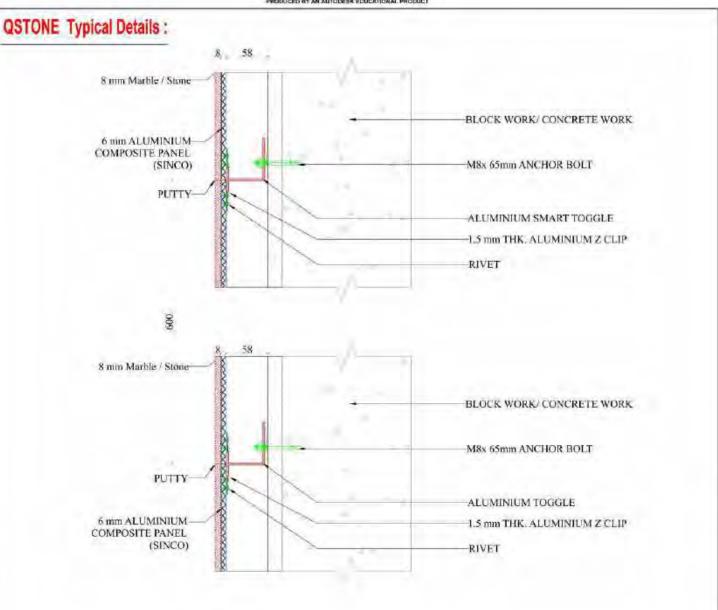




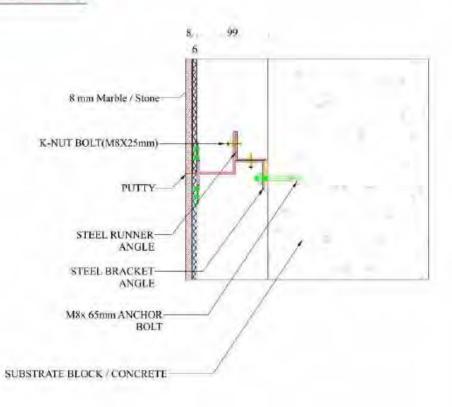




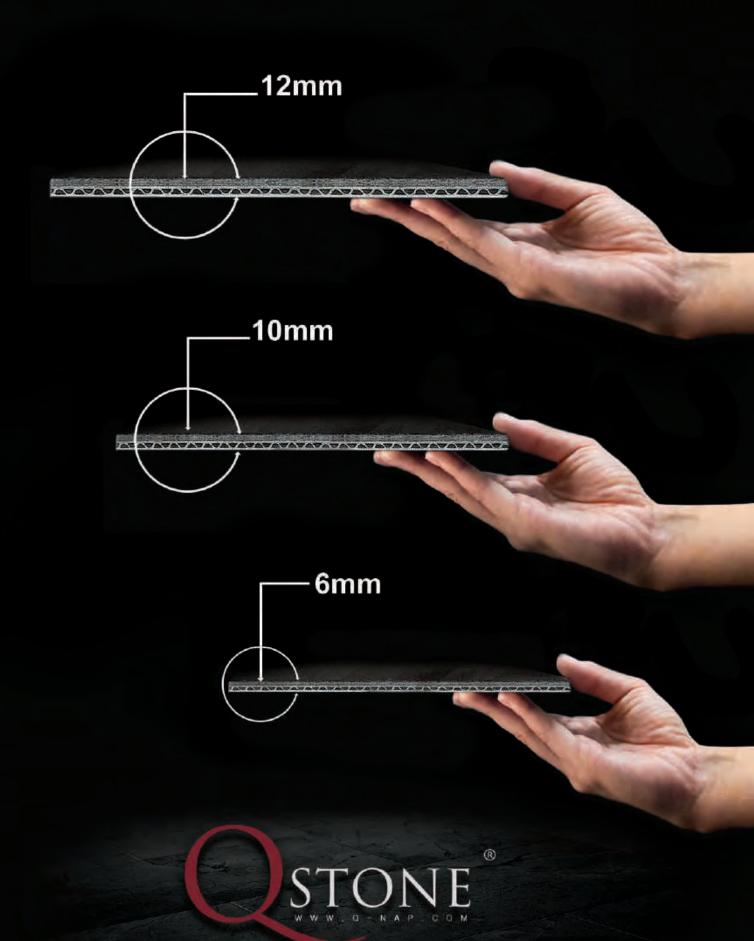


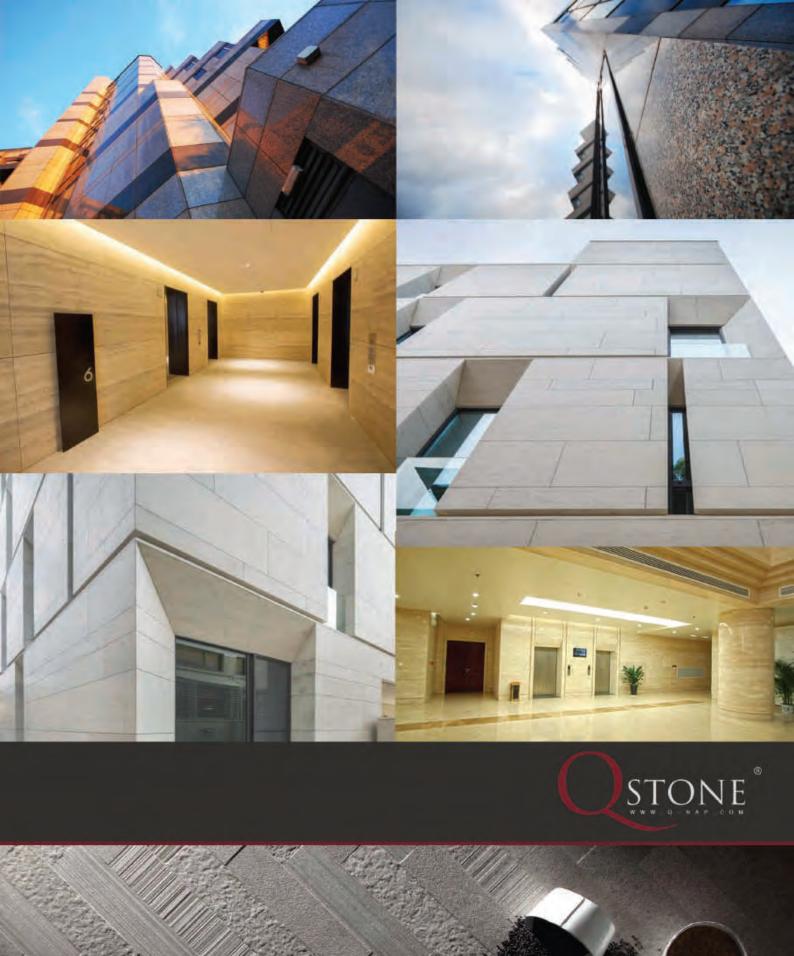


QSTONE Typical Details For High Rise Building:



DIFFERENT SIZES











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W W W . Q - N A P . C O M





A venture of National Group, Q seal is the First Factory in Qatar to produce Special modified Bituminous Waterproofing Membranes. Our production plant have the capability to make a wide range of high Performance SBS (rubber) modified, APP (plastomer) modified, Self adhesive and Protective membranes .Factory is located in Green Zone, New Industrial Area, have an Annual Production Capacity 10 million m2, with fully equipped Quality Control Laboratory an Research & Development Team, to make Products as per International Test Standards and a variety of market requirements.



NATIONAL GROUP

National Group, Qatar was founded in 1964, and time has steadily grown, to become one of the foremost Organization team in Qatar and Middle East. Group operates across a wide range of activities including Manufacturing (Aluminium CompositePanelInsulatedConcrete form), real estate, construction...etc. Indeed, National Group, builds a connection of vital allies where each plays an imperative and positive role for Success.

VISION

QSEAL endeavor to produce high performance Bituminous membranes as diversity of customer requirement.

MISSION

Making the most of our experience in Bituminous membrane business,we support our customers to establish waterproofing systems. Based on ASTM & UEatc international standards.

PRODUCT RANGES

1.APP MODIFIED (torch applied)





APP modified membrane is torch applied, made by Non –Woven Polyester, both sides coated with a uniquely formulated polymer modified bituminous compound. This coating withstands expansion-contraction cycles occurring on the applied membrane on the roof.APP membrane is used as waterproofing/damp proofing of roof deck, slabs, foundations, waste-water canal lining, sewage tank lining and re-roofing in existing system..Etc.

Features

- Superb Tensile Strength and Elongation
- Superior compound cold flexibility
- Exceptional tear resistance.
- Excellent Impact strength and puncture resistance and heat stability
- Outstanding resistance to aging.
- Resistance towards salts and water-borne chemicals.
- High bonding ability and seam integrity.

Uses

APP modified membrane is used as waterproofing/damp proofing of roof deck, slabs, foundations, waste-water canal lining, sewage tank lining and re-roofing in existing system..Etc.

Standard Roll size : 1x10 Meter Nominal membrane thickness: 3, 4, 5 mm

Surfaces

- 1. Top/Bottom: Polyethylene Foil
- 2. Top: Silica Sand or Slate, Bottom: PE foil

2.SBS Modified (torch applied)



SBS Modified membrane is a special, SBS modified torch-on bituminous membrane. The multilayered membrane consists of non –woven polyester, both sides coated with elastomeric rubber modified bituminous compound. This coating will provide stability in various climatic conditions.

Features

- Positive Fence to Water and Dampness.
- High Tensile Strength and Elongation
- Good Tear resistance.
- Good Impact strength and Puncture Resistance.
- High Compound Flexibility.
- Resistance to Aging.
- Resistance towards Salts and Water-borne chemicals.
- Excellent Adhesion and Bonding ability.

SBS Modified membrane is suitable as single layer or multilayer roofing system, roof decks, terraces, bath rooms, slabs, foundations, waste-water canal lining, sewage tank lining, basement, swimming pool, substructure water proofing in deep foundations occurring high hydrostatic pressure...Etc.

Standard Roll Size : 1x10 Meter Nominal Membrane Thickness : 3, 4, 5 mm

Surfaces

1. Top/Bottom: Polyethylene Foil

2. Top : Slate flakes Bottom : PE Foil

3.Self Adhesive (Rubber modified)



Self Adhesive, SBS rubber modified bituminous membrane, both sides of reinforcement carrier coated by Elastomeric rubber modified bituminous compound.

Features

- Cold applied Self Adhesive and easiness of application.
- Superb Adhesion to horizontal and vertical substrate.
- Excellent Compound Flexibility.
- Resistance to Aging.
- Excellent compound elongation
- Resistance towards Salts and Water-borne chemicals

Uses

Self Adhesive membrane is used for waterproofing and damp proofing of concrete substrate. This membrane is suitable for horizontal and vertical waterproofing areas, tanking below ground structures, subways and retaining walls.

Standard Roll size : 1x15 Meter Nominal membrane thickness : 1.8, 2.0 mm

Surfaces

- 1. Top HDPE Foil
- 2. Bottom- Siliconized Release Paper/Foil

4. Protection Membrane



Protection Membrane is an APP modified bituminous Prefabricated Protection membrane strengthened by Non–Woven Polyester mat. The multilayered structure with an exceptionally formulated Polymer modified bituminous Compound will provide high Puncture &Impact Resistance for water proofing system.

Standard Re-inforcement is 180g/m2 Polyester mat.

Features

- Superb Puncture Resistance.
- High Dimensional Stability.
- High Impact strength.
- Good Temperature performance.
- Resistance towards Salts and Water-borne chemicals.
- Rot Proof

Uses

Protection Membrane is suitable for protection above waterproof in foundation walls, tunnels, bridge decks, parking garage, roof deck, terraces...Etc.

Standard Roll size : 1x10 Meter

Nominal Membrane Thickness: 3, 4, 5 mm

Surface

1. Top/Bottom: Polyethylene foil



Factory:

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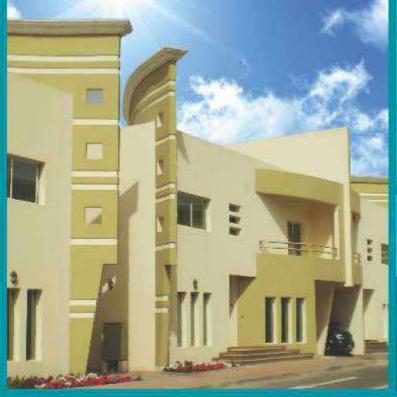
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COMPOUND & COMPLEX



83 Villas Compound at Al- Muraikh compound,

مجمع مكون من ٨٣ قبلا منطقة للريخ بناء على أحدث طراز







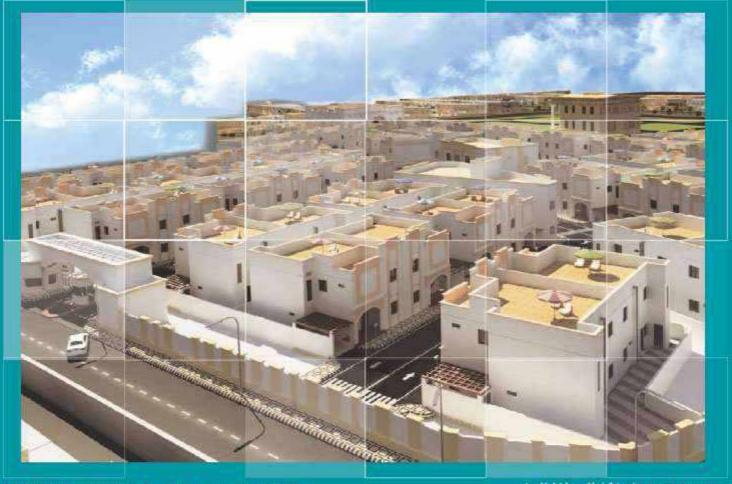


Muraikh Village Muraikh Village contain 37 villas قسرية مريسخ بحنوي مجمع المربخ على ٢٧ فيلا عالية الجودة



🔁 Baab Al-Rayyan Compound

📭 مجمعے بابت الریان



95 Villas compound at Al-Murahik Area

مجمع يحتوي على ٩٥ فيلا منطقة الريخ





مدخل البوابة الرئيسية



Main Hall الصالة الرئيسية

Super Market







Villas inside the compound

مشهد الفيلا من داخل الجمع



Ground floor plan:

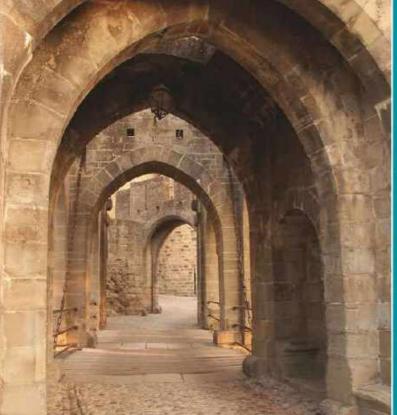
Tines Cort - swimming pool

الخطط البياني:

بحنوي على ملعب تنس أرضي - وحوض سباحة







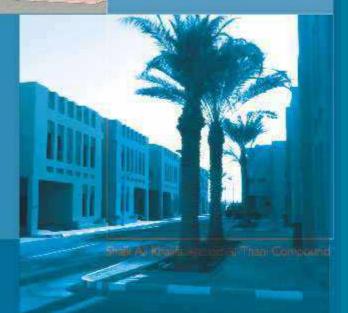
WE
MAINTAIN THE PAST
TO PREVIEW
THE FUTURE
IN YOUR HAND..



22 Villas at Muraikh Shaihk K.A.Al-Thani



مجمع سكني منطقه المربخ مكون من 22 فيلا بطراز تراثي قديم



Compound Villas

🚣 فلل ومجمعات



22 Villas compound at Al-Muraikh

مجمع بحثوي على أأفيلا منطقة للريخ



Outside View









Al Watan Center, Located in the heart of Doha



Al Watan Center is one of the region's premier shopping environment with over 100 shops.



National Group Members

(Contracting Sector)





التفاحمه الخضراء للتجارة و المقاولات GREEN APPLE TRADING & CONTRACTING

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NEEDS

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تابعنا عبر مواقع التواصل الاجتماعى



المنتج:

ديكوليت هي مادة ديكورية معمارية مبتكرة خفيفة الوزن تستخدم أساسًا لواجهات البناء ، وهو مصنوع من البوليستيرين الممدد المؤخّر للحريق ومطلي بإسمنت البوليمر المعدل

يتوفر ديكوليت في صور متعددة مثل الكلادن والنحت والقوالب في أحجام ودرجات سمك متنوعة. ويعد ديكوليت منتج تزيين مرن متوفر في أي حجم وأي شكل. ويتسم ديكوليت بأنه يكون جاهزا لتركيب المواد الواردة من المصنع بالإضافة إلى المواد الأساسية شبه التامة المستخدمة في الطلاء والمواد تامة الصنع في الموقع.

يعد ديكوليت منتج خفيف الوزن للغاية ومتين مقارنة بمواد التزيين التقليدية مثل الإسمنت عالى الأداء المسلح بالألياف الزجاجية ويمكن الصاقه بطبقة الأساس كيميانيا أو ميكانيكيا وفقا لظروف الموقع.

Product:

Decolite is an innovative light weight architectural decoration basically for building facia. Made up of EPS (Expandable Polystyrene - Fire Retardant) coated with polymer modified cement.

Decolite is available in various forms like claddings, carvings and mouldings in various sizes and thickness. Decolite is a flexible decorative product available is any sizes and shapes. Decolite is available as ready to install materials from the factory as well as semi-finished base material to coat and finished at site.

Decolite is very light weight and durable product compared to conventional decorative items like GRC.

It can be chemically or mechanically bonded to the substrate according to site conditions.





يعتبر ديكوليت حلا ممتازًا لجميع متطلباتك للديكورات ، سواء أكان خارجيًا أم داخلياً أو تم استخدامه في المعارض أو الفنون أو الإعلانات أو في التشييد وغير ذلك .

ويعد ديكوليت منتجا مبتكرًا وهو مصنوع من البوليستيرين الممدد المؤخر للحريق.



يقدم لك ديكوليت في مرافقنا الحديثة حلا شاملًا للديكور حسب الطلب في التشييد. يتوفر ديكوليت مع الطلاء النهائي الملائم للأسطح وكذلك عند الطلب.



- فعال من حیث التکلفة
 - و سهل الاستعمال
 - 🂿 سريع وآمن
- و متين ومقاوم للأحوال الجوية
 - صديقة للبيئة
 - عازل للمباني



Decolite ® is an excellent solution for all your decoration needs, whether it can be Exterior, Interior, Exhibitions, Art, Advertisements, and Construction etc.

Decolite® is a revolutionary product made of Fire-retardant EPS material at our state-of-the-art facilities

Decolite® offers you an one stop solution for custom decoration in construction.

Decolite® is available with proper surface finishing as well whenever required.

- Light Weight
- Cost effective
- Easy to handle
- Fast & Safe
- Durable & Weather Resistant
- Eco Friendly

















سريع وآمن

يعتبر استخدام ديكوليت طريقة سريعة وسهلة للديكور المعمارية عند مقارنته بأي تقنيات بناء تقليدية أخرى .

كفاءة طاقة عالية

تتعلق كفاءة الطاقة للمبني بصورة مباشرة بثلاثة عناصر مختلفة و هي المقاومة الحرارية وإحكام تدفق الهواء وكلا العاملين يؤثران بشكل مباشر على كفاءة الطاقة للمبنى.

وغياب أحد العناصر الثلاثة الرئيسية يبقلل من أداء المبنى ويعالج ديكوليت جميع خصائص الأداء الحراري الثلاثة ، الأمر الذي يمكن أن ينتج عنه توفير هائل في استهلاك الطاقة.

المقاومة الحرارية

المقاومة الحرارية هي قياس قدرة العزل لإعاقة التدفق الحراري، فكلما زادت القيمة كان ذلك أفضل . الأهم من ذلك، إنه يعد مادة عزل مستمرة على الجدران بنسبة ١٠٠٪ .

إحكام تدفق الهواء

يمنع إحكام تدفق الهواء حركة الهواء غير المرغوب فيه داخل وخارج المنزل أو المبنى من خلال الفتحات مثل النوافذ والأبواب ومنافذ الخدمات وأيضًا من خلال مواد الجدران المسامية. يسمح ديكوليت للمصمم أو لعامل البناء بالتركيز بشكل أكثر على الوميض حول الفتحات ويعطى تحكم أفضل للبيئة الداخلية.

الرطوبة وادارة الماء

يوفر ديكوليت تحكمًا أفضل في الرطوبة ، فيمكنه تقليل دخول الرطوبة بشكل كبير والتي هي ناجمة عن أن تركيبات الجدران المكونة من البوليستيرين الممدد المؤخر للحريق تعتبر هي ذاتها مثبطة للبخار ويمكن تصميم نقاط التوصيل لمنع أي دخول فعلي للماء. وبالإضافة الى ذلك، فإن إنشاء بيئة داخلية تسمح للأنظمة الميكانيكية بالتحكم في كمية الرطوبة في أماكن العيش يساعد على تثبيط قدرة العفن على التكون بصورة كبيرة أو إنهائها.



جودة الهواء الداخلي والراحة

يسمح ديكوليت بالتحكم في الجودة البيئية الداخلية من خلال التخلص من دخول الملوثات الخارجية واستخدام معدات مناسبة وفقًا لهيكل مصمم بشكل سليم يسمح بالتحكم في الجودة البيئية الداخلية مما يحد من الاصابة بالحساسية والربو. ويوفر ديكوليت إطارًا للتأثير الايجابي على الراحة العامة بالتخلص من البقع الساخنة والباردة ومجاري الهواء نتيجة للأداء العالى الذي يعد خاصية جوهرية لديكوليت فيما يخص الخصائص الحرارية.

صديق للبيئة

يعتبر ديكوليت من المنتجات الصديقة للبيئة حيث أن كمية المخلفات الناتجة يمكن إعادة تدويرها ، بما في ذلك المواد القابلة لإعادة التدوير من رغوة البوليستيرين الممدد. وأية مخلفات ناجمة هي قابلة لإعادة تدويرها بنسبة ١٠٠٠٪ ، الذا يعد ديكوليت منتجًا صديقًا للبيئة. والأشرطة البلاستكية المستخدمة هي مصنعة في الأساس من مادة بولي بروبيلين المعاد تدويرها.





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FAST, EASY

Usage of Decolite are regarded as a fast and easy method of architectural decoration when compared to any other conventional building techniques.

HIGH ENERGY EFFICIENCY

Energy efficiency of a building is directly related to three distinct components which are the R-Value and Air tightness.

All the two factors will have a direct effect on the energy efficiency of a building.

Absence of any one of these three main characteristics reduces the building performance.

Decolite address all three of the thermal performance properties, which can be translated into immense saving in energy consumption.

R-VALUE

R-Value is a measure of the capacity of insulation to impede heat flow- the higher the value the better. Importantly, it is 100% continuous insulation on the wall.

AIR TIGHTNESS

Air tightness is: preventing of unwanted air movement in and out of the home or building via opening like windows, doors and service penetrations as well as through porous wall materials. Decolite allow the designer or builder to focus more on the flashing around openings and giving better control to the interior environment.

MOISTURE AND WATER MANAGEMENT

Decolite offer better moisture control, it can dramatically reduce the chances of moisture intrusion due to the fact that EPS wall assembly itself is a vapour retarder and the connection points can be designed to virtually eliminate any water intrusion. In addition to this, by creating an interior environment that allows the mechanical systems to control the amount of humidity in the living spaces, the ability for mould to form is greatly reduced or eliminated.



INDOOR AIR QUALITY AND COMFORT

Decolite make it possible to control the IEQ (indoor environmental quality) by eliminating the intrusion of outside pollutants and using proper mechanical equipment by a properly designed structure that allows for the control of the IEQ it reduces allergy and asthma. Decolite provide the framework, to positively impact the general comfort by eliminating hot and cold spots and drafts due to Decolite's inherent high performance pertaining to thermal properties.

ECO-FRIENDLY

Decolite's are Eco-Friendly products as the amount of waste that is produced is able to be recycled including the expanded polystyrene foam recyclable materials. Any waste that is generated is 100% recyclable therefore Decolite is an Eco- friendly product.

Plastic ties used in Decolite are of majorly recycled Polypropylene material.





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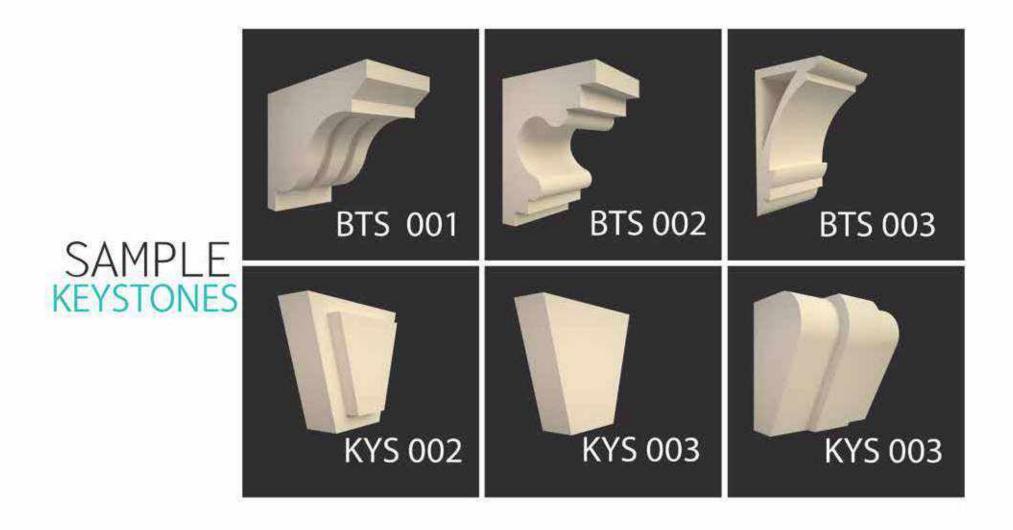




depends on the uses, it is a flexible, Offers limited-reuse and it is fully recyclable material makes Decolife a convenient decorative solution



Decolite® is an excellent solution for all your decoration needs.



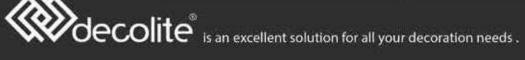




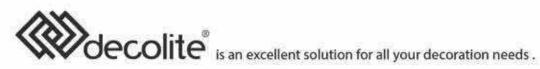


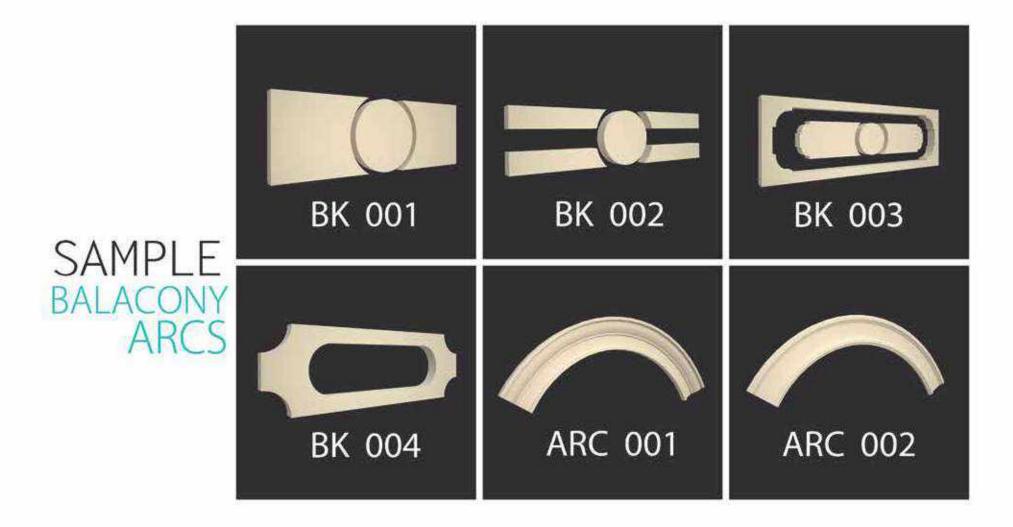










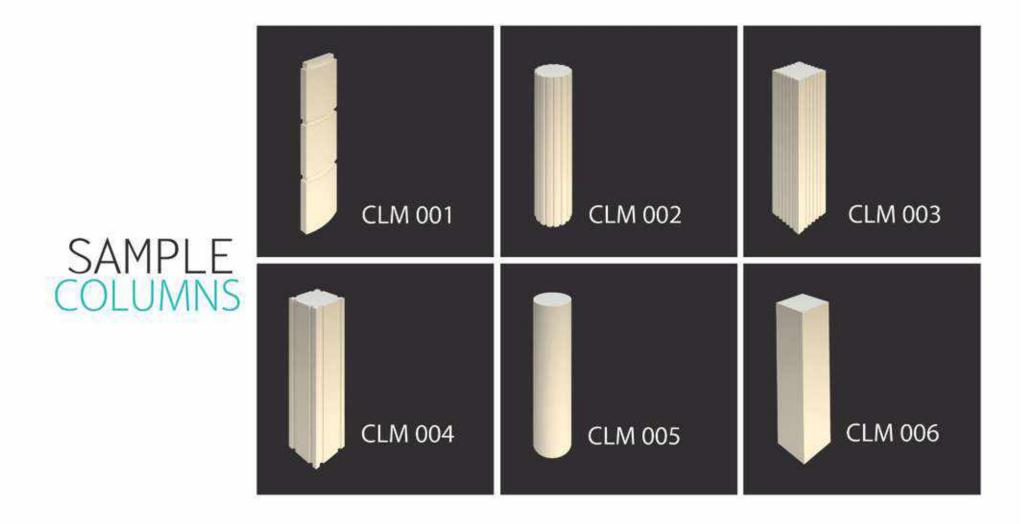




SAMPLE EPS-CLADDING













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التفاحة الخضراء للتجارة والمقاولات GREEN APPLE TRADING & CONTRACTING

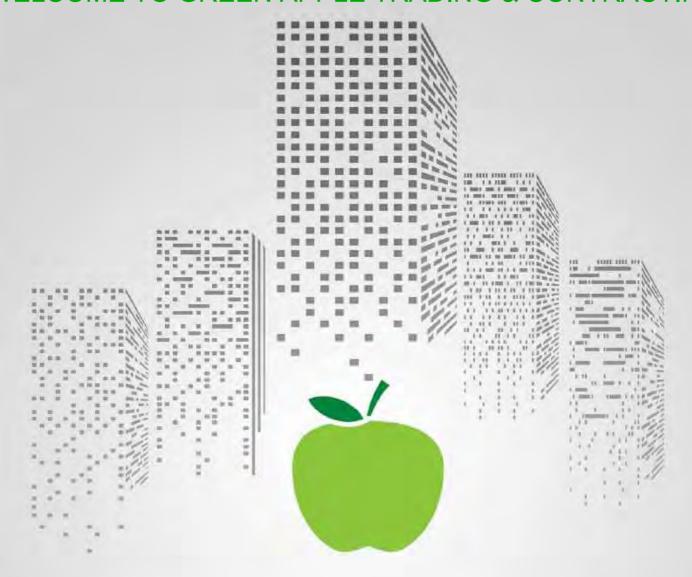
Green Apple Contracting & Trading Co. W.L.L Doha, Qatar

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20 YEARS OF EXPERENCEE

WELCOME TO GREEN APPLE TRADING & CONTRACTING



Green Apple is a holding company which owns and operates a group of establishments in the state of Qatar. We are an emerging group of companies targeting to be an inevitable part of the industry with our presence in every relevant sector of the local economy.

OUR BEST SERVICES



Design & Project Development

Our Architects & Engineers provide leadingedge services for the Residential. Commercial, Institutional and other sectors, and develop tailored solutions for the increasingly complex requirements of today's projects.





Infrastructure and Civil Works

We carry a full team of tradesmen, skilled workmen and well experienced engineers and superintendents and maintain a full range of heavy construction equipment in our areas of operation.





Value engineering

We offer full contracting services and have the flexibility to assist our clients by securing additional expertise for feasibility studies, preliminary designs, financing opportunities and joint venture partners for optimum project delivery.

National Group

Members

(Hospitality Sector)



BAAB AL RAYYAN HALL

| |

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Baab Al Rayyan Kitchen

Baab Al Rayyan Kitchen + Events has been serving delicious food and excellent service in Qatar since 2018.

We continue to provide our clients with the same 5 star service they expect every time. With our professional team of chefs, service staff and event managers, you can rest assured that your catering will exceed your expectations every time. This quality of service and our passion for food make at Baab Al Rayyan Kitchen is the first choice for catering for many organisations in Qatar.

OUR BRANDS







About Baab Al Rayyan Hall

Launched in March of 2014, Baab Al Rayyan Hall is one of the pioneering companies established by Baab Al Rayyan Group headed by Shiekh Naif Al Thani.

Primarily known as one of the most in-demand halls for weddings in Qatar, Rayyan Hall opens its dooor to other functions and accepts corporate bookings such as conferences, seminars, exhibitions, road shows, product launching, etc.

Catering to all types of personal and business gatherings, with approximately 400 events we can hold each year, Rayyan Hall as managed by Baab Al Rayyan Group-Doha, has already gained regular local and foreign patrons.

Facilities

Rayyan Hall is known as for its grand interiors and one identical adjoining hall named Rayyan with the dimension of 980 sqm. can accomodate up to 800 guests. We also have an exclusive and well-secured parking space which can hold up to 600 cars.



Our Banqueting Hall has an elegantly designed two Suite Room comprising of the following amenities:

Make-up Room salon with toilet

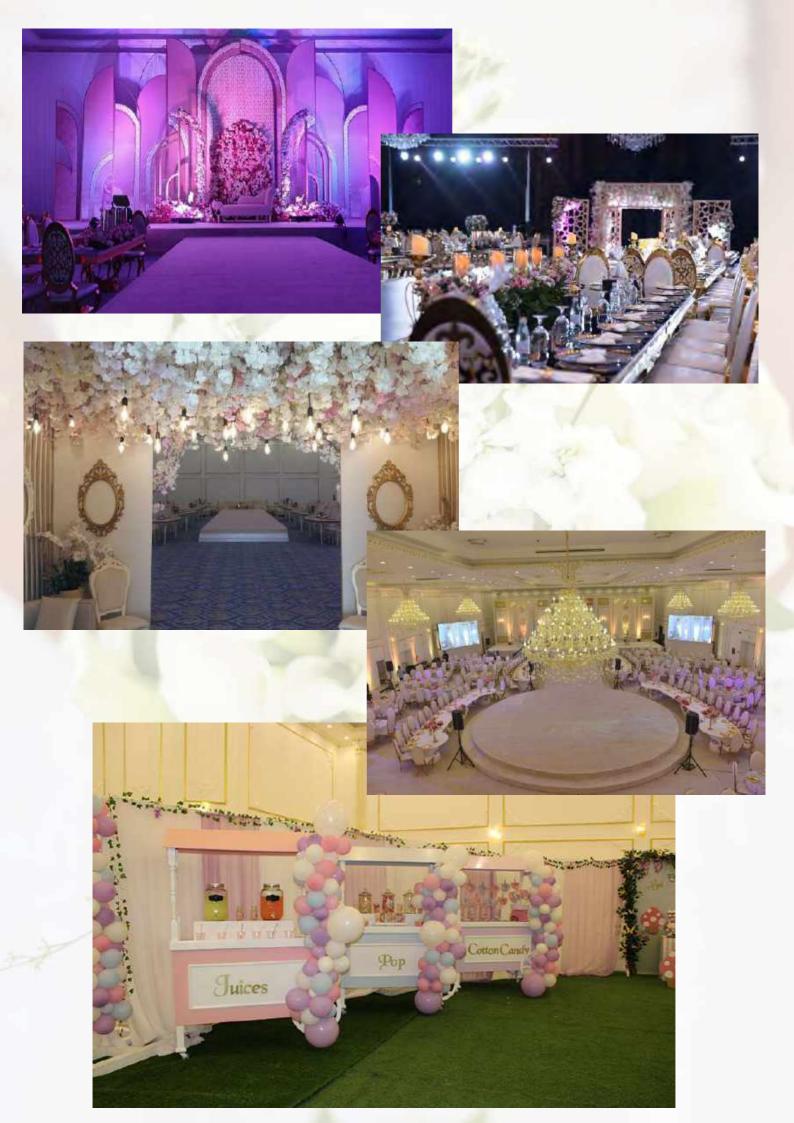
Living Area designed with TV

Big Living Room with Small kitchen in the middle of two Suite Room

Customers satisfaction is the core of our business' existence. Our staff has gone through an extensive training to ensure that the universal standards in the Hospitality Industry are observed.

Aside from ensuring the staff's competency, we are also confident with their good character. They are courteous, trustworthy and have shown dedication towards their profession.







ABOUT US Welcome to UEvents

UEvents Qatar has emerged as a force to reckon with within the event industry, understanding the importance of addressing each and every element of a successful event, with venue management being one of the most essential elements.

We aim to define an effective plan of action to assist clients in developing and producing successful events. We are committed to providing excellent quality services and generating the most creative and innovative ideas.

WHO WE ARE

UEvents is a Qatar-based event management company,

With vast expertise managing and organizing corporate and product-based events, medical, scientific, and industrial conferences, seminars, weddings, wedding coordination, private parties, and theme parties, among other things..

Beautiful Events

UEvents has extensive experience in organising events and making an event "eventful". Every event is a unique experience and our creative expertise can make your day memorable. We take the responsibility of making an event a grand success.

OUR SERVICES



Wedding Planning Management

We are Wedding Event planner, one of the top wedding planner in Oatar We, at UEvents, specialize in organizing fairytate wedding to be cherished forever.



Special Occasions & Events

We manage special occasions and provide services for ceremonial arrangement. We work towards making your special occasion 'truly special' by adding a spark to your event. An occasion calls for extensive planning.



Corporate Event Management

At UEvents our mission as an event organiser is to create and deliver most amazing events. We expertly plan and manage events for some of the leading brands, blending creativity with innovation and flawless delivery.

National Group

Members

(Management Sector)



NATIONAL DEVELOPMENT GROUP

ناشونال ديفلوبمنت قروب

Tel: (+974) 4686300

- Lay : (Lasthill Hobbithin)



A CULTURE OF **INNOVATION AND** SUSTAINABILITY

SOCIAL & AFFORDABLE

HOUSING MODEL...



A GLIMPSE INTO A TYPICAL NDG FULLY FUNDED, SOCIAL AND AFFORDABLE HOUSING MODEL

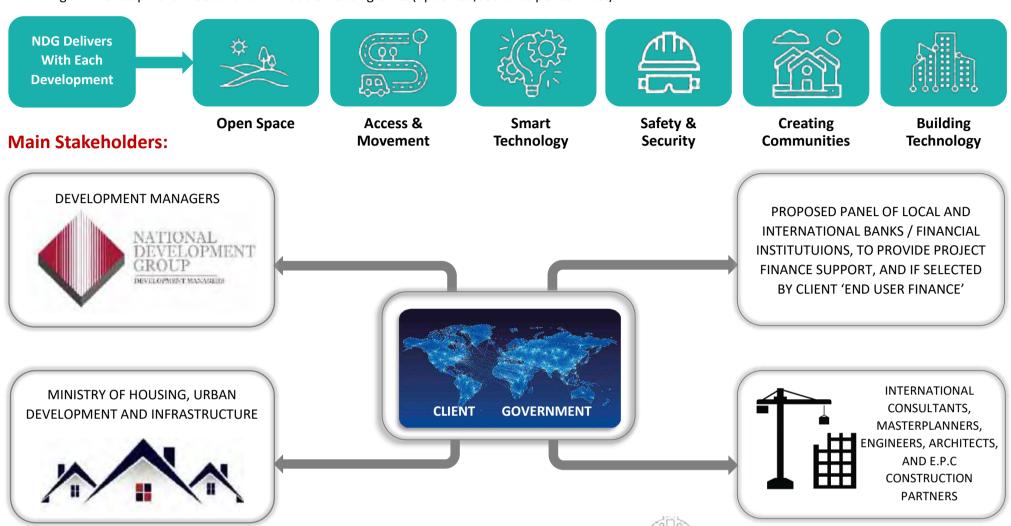


Introduction to NDG Development Managers:

National Development Group (NDG) has a history stretching back over several decades, through a network of legacy companies, providing construction and development services throughout the industry.

Project Overview:

Financing and Development of Social and Affordable Housing Units (up to 250,000 units per contract).



Key Terms and Conditions Required from Government:



Fully Financed Housing Offer from NDG:

Leverage all Stakeholders Input

International Consortium Development Partners and EPC Construction Partners

Internationally Recognized Project Managers - MACE (Or Similiar)

Credible Building Technology Solution Providers

Creating Economically Sustainable Communities for Future Generations

All Developments are Constructed using Environmentally Friendly Technologies

"Mortgage" Finance Agreement

In Summary:

- Ownership of Development Land
 Tatal Even pration of Stat Taylor and
- Total Exoneration of Stat Taxes and Import Duties to Include, but not limited to, construction materials, plant, equipment and vehicles
- •Insurance Backed Govt. issued Offtake Agreement

NDG GETS

NDG PROVIDES

- •Fully Financed Construction
- Fast Track Construction ProgramManaged by Internationally
- Recognized Project Managers
- •Up to 250,000 Units per Contract
- A Selection of Construction Technologies (Eg. Reinforced Steel and Concrete etc. etc.)
- Homes & Communities to be Proud of
- A Family Asset for Life

NDG DELIVERS

MORTGAGE OPTION

- •An End User Finance Option is Available to Client Govts in Place of a Min of Finance Offtake Agreement. NDG are Able to Broker a Loan Facility to Allow Payment for the Construction Works Against a Sovereign Undertaking.
- •The Monthly Mortgage Repayments can be Arranged to Service the Loan Facility with the added Support of AAA rated Credit Ins. *See Notes.

Notes

* Sovereign Undertaking to be Supported by a 'AAA' Rated European Credit Insurance













