

# A SUCCESS STORY

USG BORAL 

**01** | ABOUT USG, BORAL & USGBORAL  
Page 05 till 15

**02** | USG SOLUTIONS & SERVICES  
Page 16 till 35

**03** | PROJECT REFERENCES  
Page 36 till 47

**04** | Certificates

# 01

## ABOUT USGBORAL

P. 04-07

### 1 • USGBORAL WORLDWIDE

- A map locating Usg worldwide
- History of our company & and its accomplishments worldwide

P. 08

### 2 • USGBORAL MIDDLE EAST

USG Middle East operations are coordinated from Dammam, Saudi Arabia with regional sales offices in Dammam, Riyadh and Jeddah in Saudi Arabia, Dubai in U.A.E, Bahrain, Qatar and Beirut in Lebanon.

P. 10

### 3 • COMPANY'S VALUES

Our seven core values are: safety, quality, service, efficiency, innovation, integrity and diversity.



● USGBORAL SALES OFFICES

▲ USGBORAL FACTORIES IN THE MIDDLE EAST

### USG WORLDWIDE

USG has over 140 plants, mines, quarries, transport ships and other facilities in North America, Europe and Asia Pacific.

Factories in:

- U.S.A.
- Canada
- Mexico
- New Zealand
- Saudi Arabia
- England
- Belgium
- France
- Germany
- Greece
- Malaysia
- Russia
- China
- Turkey



## BORAL WORLDWIDE

Boral is Australia's largest building and construction materials supplier with operations in all states and territories. Boral is the leading supplier of plasterboard and internal linings products across Asia and Australia.

## USGBORAL MIDDLE EAST

### 1| Factories

Dammam (KSA) - Salalah (Oman)  
Izmir (Turkey)

- Headquarter in Dammam, KSA Provides local expertise and supports a large network operating for more than 30 years.

### 2| Sales offices

- Jeddah, Saudi Arabia
- Riyadh, Saudi Arabia
- Dammam, Saudi Arabia
- Dubai, U.A.E ( covers all Emirates states) and Oman
- Manama, Bahrain
- Beirut, Lebanon ( covers Syria, Iraq, North Africa, Egypt, Morocco, Algeria, Libya..)
- Doha, Qatar
- Istanbul, Turkey

## ABOUT USG WORLDWIDE

For more than 100 years, Chicago-based USG has been a leader in producing innovative products and systems to build the environments in which we live, work and play. As the inventor of wallboard and mineral wool ceiling tile, USG created North America's building materials industry. Our products are used in everything from major commercial developments and residential housing to simple home improvements. Our flagship brands include SHEETROCK® Brand gypsum panels and DUROCK® cement board, which are recognized around the world.

USG is North America's leading producer of gypsum wallboard, joint compound and a vast array of related products for the construction and remodeling industries. We are also the global leader in the manufacture of ceiling suspension systems and are recognized as the premier acoustical panel and specialty ceiling systems innovator. Our family of products provides creative building solutions that set new standards for productivity and efficiency, helping contractors and architects deliver high quality and innovative designs.

USG, through its subsidiary L&W Supply, is also the nation's largest distributor of drywall and related building products. L&W serves the professional contractor through a network of more than 160 locations and strives to be their preferred source for all quality products and services they need to complete their projects on time and on budget.

Our steadfast commitment to the company's core business beliefs - safety, integrity, service, innovation, diversity, efficiency and quality - have helped us become the industry leading company we are today. USG's employees working in more than 30 countries are dedicated to helping our customers and partners achieve success. We are committed to the highest levels of customer satisfaction and quality in everything we do.

### OUR BUSINESSES WORLDWIDE

#### 1| North American Gypsum USG's largest business

- A leader in the U.S., Canada and Mexico
- About 30% of the North American wallboard market
- Brand names: SHEETROCK®, DUROCK®, FIBEROCK®
- About one half of sales from non-wallboard products

#### 2| Building Products Distribution

- \$1.3 billion in 2009 revenues
- 161 locations

- Sells about 12% of all wallboard in U.S.

- Growing sales of complementary products

#### 3| Worldwide Ceilings

- Strong #2 in ceilings globally with DONN® Brand ceiling grid and AURATONE® Brand ceiling tile
- Products mainly used in non-residential buildings
- Competes on basis of product features

**LEADER IN  
PRODUCING  
INNOVATIVE  
PRODUCTS**



USGBoral Middle East (USGME) is a Joint Venture between USG and Boral. USGBoral Middle East manufacturing operations for mineral fiber, Shaft Wall, Drywall Partition System (Stud and Track), Donn brand suspension systems and Sheetrock brand joint and surface treatment products are based in Dammam K.S.A. as well as manufacturing operations in Turkey and Sallalah. USGBoral has regional sales offices in Dammam, Riyadh, Jeddah, Dubai, Manama, Doha, Beirut and Turkey, aside from a wide network of distributors all over the Middle East and North Africa. This is providing local expertise and support to an extensive distribution and sales network that has been operating for more than 35 years. Our products are used in everything from major commercial developments and residential housing to simple home improvements. Our flagship brands include Fiberock®, DUROCK®, Sheetrock® and DONN DX®, the world leading brand of ceiling suspension systems.

Our wide customer base and long term customer relationships are founded upon the following basic elements:

- Our corporate values.
- A full range of products.
- Providing information and solution.
- Innovation in design.
- Middle East wide service.

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#### SUSPENDED CEILINGS

is the new harmonised European standard, effective from 1st January 2005, which provides information for parties responsible for designing, manufacturing and specifying/selecting suspended ceilings used for interior applications. It covers suspended ceilings sold as kits, individual components & membrane components and describes test methods & methods of assessment as well as provisions for the evaluation of conformity of the products to the requirements of this standard.

#### DONN® SUSPENSION SYSTEMS

USG is the world's leading manufacturer of ceiling grid, offering the widest range of profiles and colours on the market today. DONN® grid from USG is compatible with all USG ceiling tiles and speciality ceilings, as well as most third party brands. The patented clip design makes it fast and easy to install but also easy to remove without the need for tools.



# MIDDLE EAST WIDE SERVICES

## ABOUT USGBORAL VALUES

Our five core values are: safety, quality, service, efficiency, innovation, integrity and diversity. They are the foundation on which we have built USG into one of the leading building materials manufacturing and distribution companies in the World.

### 1 • SAFETY

Safety first in all we do, both within the company and for our customers.

### 2 • EXCELLENCE

Ambitious and disciplined in pursuit of the highest standards of quality, efficiency and service.

### 3 • INNOVATION

Striving for new and better ways of serving our customers and encouraging creativity and flexibility in our people.

### 4 • INTEGRITY

Open, honest, respectful and authentic in all our dealings, here for the long term.

### 5 • COLLABORATION

Working with partners and stakeholders as well as across the businesses where we believe that sharing best practices is a key lever for performance.

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#### NEWS 2016

Production of:

- Powder Coated Metal Ceiling
- Corner Beads
- Curved Track of Curved Walls
- Wire Connecting Clips
- Base coat
- Firecode® Smoke – Sound Sealant

#### NEWS 2015

Production of:

- Wall Board Panels in Salalah plant - Oman

**SAFETY, EXCELLENCE,  
INNOVATION,  
INTEGRITY &  
COLLABORATION.**





# 02

## USGBORAL SOLUTIONS & SERVICES

P. 16

### 01 • USGBORAL SUSTAINABLE DESIGN

Sustainable design seeks to create structures that require fewer natural resources to build, maintain and adapt to future uses.

P. 18

### 02 • USGBORAL ANTIBACTERIAL PERFORMANCE

P. 22-33

### 03 • USGBORAL LEADING PRODUCTS

- 01 - Acoustical Mineral Fiber Ceiling Panels
- 02 - PVC Laminated Mineral Fiber Ceiling Panels
- 03 - Laminated Gypsum Ceiling Panels
- 04 - Donn® DX Suspension System
- 05 - Metal & Special Ceiling Panels
- 06 - SHEETROCK® Dry Wall Finishing System
- 07 - Durock Cement Boards
- 08 - Fiberock Reinforced Gypsum Board
- 09 - Dry Wall Steel Partition System
- 10 - METAL Ceiling Tiles

## USGBORAL BUILD SUSTAINABLY

### USGBORAL'S COMMITMENT TO HEALTH, SAFETY AND ENVIRONMENTAL RESPONSIBILITY IS EVIDENT AT EVERY STAGE IN THE LIFE CYCLE CHAIN.

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#### DESIGN WITH CONFIDENCE

With over a century of service to the building industry, USGBoral understands the issues you manage every day and the opportunities you see in the big picture. To help all customers - from architects, designers and specifiers to builders, contractors and installers - achieve their goals, we design our high-performance products to bring creative concepts to life and assure quality for the long term.

#### CHOOSE TRUSTWORTHY PRODUCTS

As the recognized innovator in ceilings and manufacturer of an extensive line of acoustical panels, specialty systems, integrated ceiling systems and suspension systems for the drywall, USGBoral is a leading ceiling supplier in North America. Our ceilings products are known and trusted because of our performance.

#### BUILD SUSTAINABLY

With a firm belief that health, safety and environmental well-being are compatible with economic prosperity, USG maintains a longstanding commitment with our employees, customers and communities to reduce environmental impact, use recycled materials whenever feasible and eliminate manufacturing waste. Although sustainability has become a

fundamental principle underlying successful building design it remains a complex undertaking. Because environmental issues should be considered in every aspect of the design process, specifiers need a working knowledge of green definitions, criteria, standards and applications.

USGBoral is committed not only to producing the highest-quality ceiling systems for creative inspired designs, but also to protecting and nurturing the environment we all share. Together, we can build a better world.

#### LEED

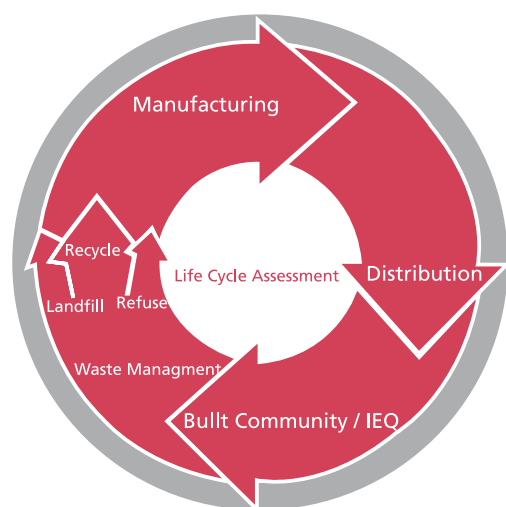
LEED® is a guideline for building solutions established by the USGBC (United States Green Building Council) members. USG Corporation is a founding member of the U.S. Green Building Council.

The Leadership in Energy and Environmental Design (LEED) is a rating system that encourages the design and construction of environmentally friendly buildings. LEED was created to define "green building" by establishing a common standard of measurement and promote integrated, whole-building design practices.



Credits are awarded based on the five key areas of human and environmental health: sustainable site development, water savings, energy efficiency, materials selection, and indoor environmental quality. Choosing zero-emitting and low-emitting ceiling products can also help to earn LEED credits. Section 3.2, IAQ Management Plan, Before Occupancy, requires a total formaldehyde concentration of 50 ppb or less.

As one of the largest surfaces in a space, a ceiling with zero – or low – emitting panels makes a strong contribution toward achieving valuable credits – and creating healthy, sustainable environments.



#### **PRODUCT**

USG's commitment to health, safety and environmental responsibility is evident at every stage in the life cycle chain.

## USGBORAL ANTIBACTERIAL PERFORMANCE

MOLD HAS BECOME A SIGNIFICANT CONCERN DUE TO TODAY'S FACT-TRACK SCHEDULING, WHICH CAN ALLOW HIGH LEVELS OF MOISTURE TO BECOME TRAPPED IN A STRUCTURE DURING CONSTRUCTION.

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- USGBoral helps architects and specifiers to eliminate the issue of mold and microbial growth by offering ceiling panels with ClimaPlus Superior Performance, which provides guaranteed resistance against sagging, mold and mildew growth, subject to use under normal conditions.
- Face and back surfaces of these ceiling panels feature a patented antimicrobial treatment that provides broad-spectrum control for mold, mildew and fungi over the warranty period tested in accordance with ASTM D3273 and evaluated per ASTM D3274.



## THE POWER OF USGBORAL DESIGN GIVES ARCHITECTS MAXIMUM FLEXIBILITY.

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USGBoral's world leadership is a result of its commitment to research and development, and profound understanding of its markets and customers. Dedicated research facilities are custom designed to maintain this leading edge in the interiors industry.

USGBoral's products are available throughout the Middle East.

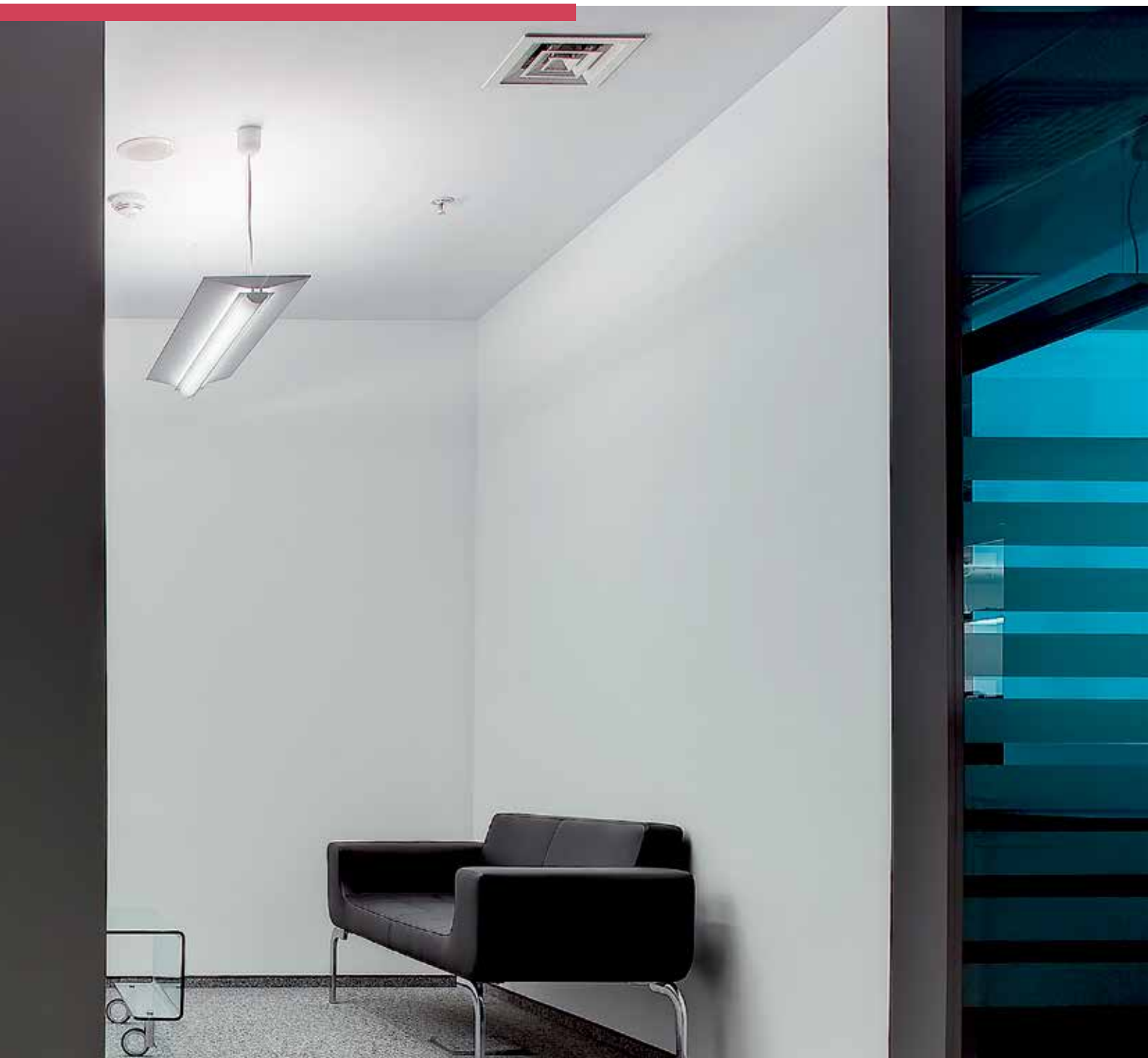
USGBoral's presence in the Middle East means complete confidence in specifying materials.

All USGBoral's products meet the highest local and international standards.

USGBoral's product range includes brand names that are standards for quality in the industry. Wherever your project is located, you can count on our prompt delivery for highest quality products, systems and services.

This is a list of our leading products:

- Acoustical Mineral Fiber Ceiling Panels
- Laminated Gypsum Ceiling Panels
- Donn® DX Suspension System
- Metal & Special Ceiling Panels
- SHEETROCK® Dry Wall Finishing System
- Durock Cement Boards
- Fiberock Reinforced Gypsum Board
- Dry Wall Steel Partition System
- SHEETROCK Brand Shaft Wall
- METAL Ceiling Tiles





## 01 • ACOUSTICAL MINERAL FIBER CEILING PANELS

USGBoral-ME Products are Classified according to ASTM E1264 as the following:

### a) Types (III, IV, X, XII, XX)

Type III: Mineral base with painted finish

Type IV: Mineral base with membrane-faced overlay.

Type X: Mineral base with plastic or aluminium membrane- faced overlay, or both.

Type XII: Glass fiber base with membrane-faced.

Type XX: Other types.

### b) Forms (1,2,4)

Form 1: Nodular (X-Technology)

Form 2: Water felted

Form 4: Cast or moulded

### c | Patterns (C, D, E, F, G, I, K, Z)

C: Perforated, small holes

D: Fissured

E: Lightly textured

F: Heavily textured

G: Smooth

I: Embossed

K: Surface scored

Z: Other Patterns( describe)

### d) Acoustical ratings (NRC, CAC)

### e) Light reflectance values (LR)

### f) Fire class ( Class A, Fire Code)

### Reaction to fire:

- Fire Propagation

- Smoke Development

### **Standards**

- BS 476 Part 6 & 7, Class 0/1
- ASTM E84, Class A
- EN 13501, A2dOS1

### **Fire-rating: Structural Fire Protection**

- Ceiling will not fall immediately
- Will confine fire in a limited area
- Will allow time to evacuate

### **Standards: (minimum 1hr fire-rating)**

- BS 476 Part 21 & 23
- ASTM E119

### **USGBoral Ceilings Provide LR**

- Light Reflectance (70% - 90%)
- Enhance indirect lighting
- Reduce energy consumption
- Create warm luminous aesthetics

### **Taiga II Hygiene | Clean Room**

- For health care application

### **Anti-Microbial Protection**

- Control volatile organic compound (VOC) and outperform formaldehyde standards

### **Zero/low formaldehyde & VOC emission**

- Conforms with LEED credits (leadership in energy and environmental design)



**MAKE A STATEMENT  
WITH PATTERN AND  
SHAPE, OR LIGHTEN  
THE TONE WITH  
GENTLE RHYTHM.**



#### Why Mineral Fiber Ceilings?

- Ease of Access
- Enhanced Acoustical Comfort
- Sound Absorption (NRC)
- Sound Blocking (CAC)
- Fire Safety
- Non-combustible (ASTM E84)
- Fire-Rated (ASTM E119)

#### All USGBORAL Ceilings are Produced in three Grades

##### 1-Regular Grade

- Economic grade
- Humidity resistance: up to 70% RH at 25 °C

##### 2-ClimaPlus (Anti-Sag Tiles)

- Humidity resistance: up to 95% RH at 32 °C / 15 years warranty

##### 3- Fire-Chief (Fire-rated)

- Special additives: Increased fire resistance / ASTM E 119

#### Ceiling Specification

The USG MF Ceiling tiles provide acoustical privacy between adjacent rooms:

- CAC (Ceiling Attenuation Class):  
Measure of the ceiling's ability to block sounds
- CAC Rate: 35 - 39 dB

#### USG Focus on Fire Safety

Fire Criteria:

- Surface Burning Characteristics
- Fire Resistance for fire code formulation

## 02 • LAMINATED GYPSUM CEILING PANELS

Enhance your space with decorative and ornate moulded gypsum ceilings or economical laminated gypsum board ceiling tiles.

Select from a range of systems.

### a) Cadre Crossings

Features and Benefits

- Available in five distinct and classic patterns offering complete accessibility to all above-ceiling utilities.
- Lay-in design with USG DONN® Brand grid offers easy access to ceiling utilities.
- Pre-cut openings for hardware available or panels can be field-cut on site.
- Financial institutions
- Office conferencing areas
- Ornate public spaces
- Restaurants

### b) Cadre Historical

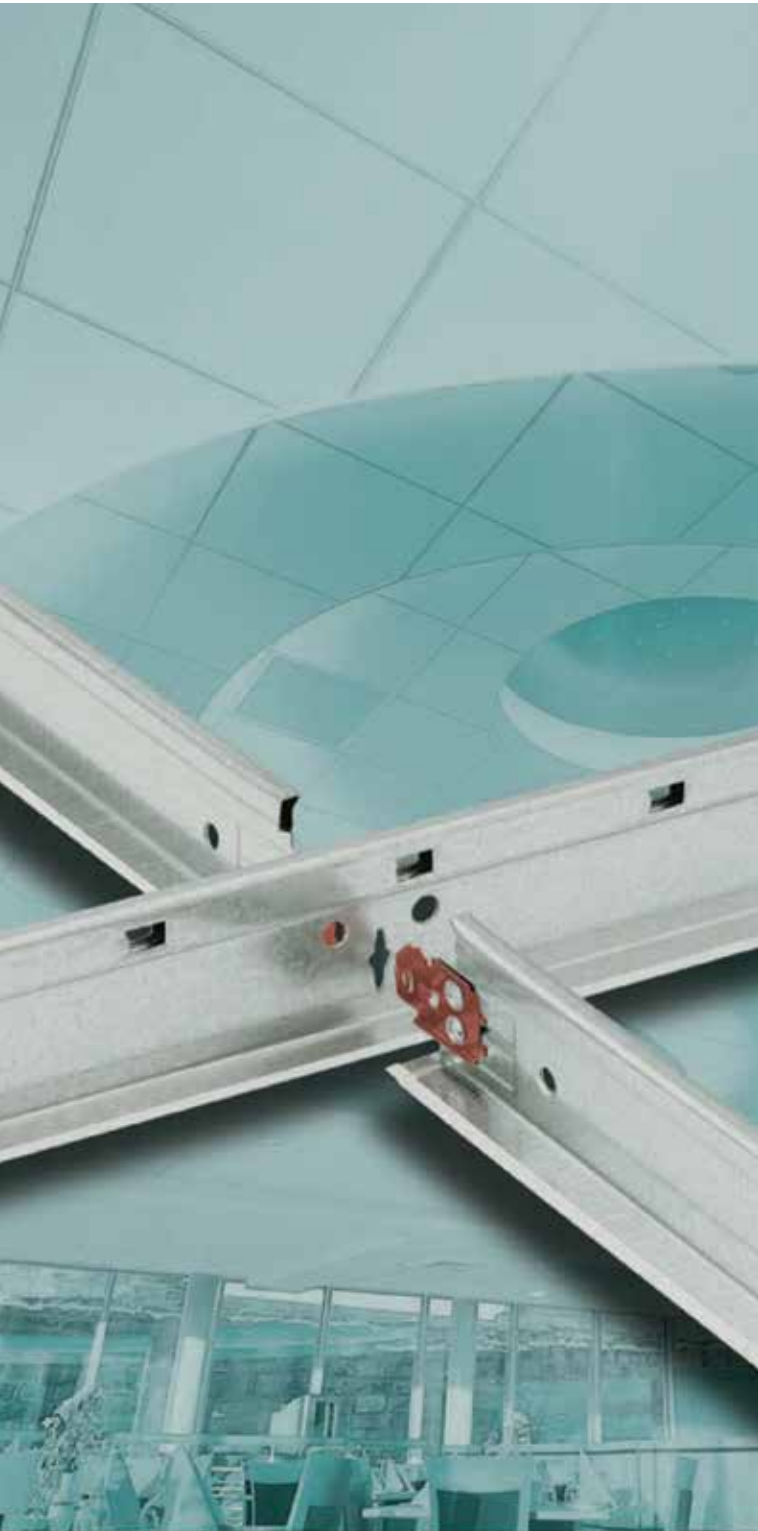
- Financial institutions
- Office conferencing areas
- Ornate public spaces

### c) Sheetrock Lay-In Ceiling Tile

- Exterior soffits
- Kitchens and food preparation areas
- Restrooms and utility areas
- Shower areas and locker rooms



**ENHANCE YOUR  
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DECORATIVE AND  
ORNATE MOULDED  
GYPSUM CEILINGS.**



### 03 • DONN® DX SUSPENSION SYSTEM

USGBoral is the world's leading manufacturer of ceiling grid, offering the widest range of profiles on the market today. DONN® grid from USG is compatible with all USG ceiling tiles as well as most third party brands.

- DONN DX® from USGBoral is the most widely specified grid in Middle East the patented clip design makes it fast and easy to install but also easy to remove without the need for tools.
- All USG DONN grid suspension systems are designed and manufactured to ensure both structural and aesthetic integrity in all ceiling designs. They are certified to meet the most stringent national standards and to comply with all relevant building codes and norms.
- Strict quality assurance procedures (ISO 9001 : 2008) ensure consistent manufacturing and finished product quality.
- USG's extensive distribution and sales network has been operating for more than 25 years, supplying technical expertise and support to all our customers. You can rest assured that your products will be delivered wherever you need them, on spec & on time.
- From the product formulation we choose to the processes we employ, we are committed to products that are designed, manufactured, distributed and used in a sustainable way to minimize overall environmental impact.

#### 04 • METAL & SPECIAL CEILING PANELS

USGBoral offers wide range of high quality aluminium alloy and metal ceiling system that increase the aesthetic and functional value of your interiors within a modest ceiling budget. USG Boral's superior quality metal ceiling products are available in standard suspended ceiling systems such as exposed grid / concealed suspension system; custom-made metal ceiling is also available on request to meet the different requirements of architect specification design.

The USGBoral portfolio combines aesthetic, durability and performance:

- Wide range of perforated patterns, standard is round shape D: 1.8mm
- Systems available as standard in white RAL 9010; other RAL colours are available on request
- Durable, washable polyester powder finish
- Easy access for service maintenance
- Robust and easy to clean
- High sound absorption and sound attenuation
- Extensive range of perimeter options
- Environmentally friendly and recyclable

**a) Aluminium perimeter trims** (Compasso)

**b) Paraline Linear Metal**

**c) Celebration and Panz**

**d) Luminuous Ceiling:**

Billo -Transparency -Transluscent -Toppo

**e) Curvatura**



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## USGBORAL LEADING PRODUCTS

### f) logix TM

Advantages:

- The only system that offers customizable solutions, unique to your building requirements, using a wide selection of standard components.
- Only ceilings manufacturer to provide an unobstructed linear channel that allows for a continuous ribbon of light.
- Best in class partners for light fixtures, air diffusers and returns and sprinklers to ensure a truly integrated ceiling with superior fit and finish.
- High Recycled Content, Zero or Low emitting, Healthcare and Education specific Logix solutions available,

### 05 • SHEETROCK® DRY WALL FINISHING SYSTEM

USGBoral Gypsum offers a complete line of interior finishing products, ranging from joint compounds and tapes to decorative textures. Whether you need primer, bead, drywall clips, or repair kits, you can trust the name that has stood the test of time.

#### a) All Purpose Joint Compound

- Fast smooth application
- Three job-tested types -taping, topping, all purpose.
- Easy to mix, offer sample working time.
- Retain consistency
- will not thin out or settle.

#### b) Lightweight all Purpose Joint Compound

- Very low shrinkage - only two coats needed over metal
- Sands more easily than conventional compounds

- Excellent for hand and mechanical tool application.

#### c) Setting - Type Joint Compound (Durabond)

- Setting time: 90 minutes
- Excellent bond with low shrinkage
- Same day finishing and next-day decorating possible.
- Excellent check-crack resistance in heavy fills.
- Unique resistance to humidity.

#### d) Flexible Metal Corner Tape

- Drywall tape with steel strips for smooth edges.
- Forms a strong bead on corners of any angle.
- Ideal for arches, cathedral or drop ceilings, and more.

#### e) Tuff-Hide primer-surfacer

is the original dual-purpose vinyl acrylic latex-based coating designed for interior application over new drywall. For a GA-214/ASTM C-840 Level 5 gypsum board finish, a single spray application provides the same highest quality drywall finish as the traditional two-step process of skim-coating surfaces with joint compound followed by a coat of primer.

In ceiling applications where a flat white finish is desired, Tuff-Hide primer-surfacer can be left unpainted, providing an ideal final finish.

#### f) Base Compound

is a ready-mixed, high performance compound formulated and designed for crack resistance and durability for filling and smoothing

monolithic interior concrete walls and ceiling. It is easily applied with steel trowel and can be sanded to achieve a fine finished surface.

#### **g) Fiberglass Drywall Tape**

- Self Adhesive tape - no bedding coat needed.
- Smooth joints in only two coats.
- Use with setting-type joint compounds for one-day joint finishing.

#### **h) Joint Tape**

Superior center creasing for trouble-free corner finishing.

- High strength to resist tearing, stretching, wrinkling.
- Processed for superior bond.
- Water-thin for easy joint treatment.

#### **i) Acoustical Sealant**

- Special caulking for reducing sound transmission in partition systems to achieve specified STC/MTC values
- Applies and adheres easily to most surfaces.
- Highly elastic for permanent flexibility and seal.
- Meets ASTM C834.

#### **j) Corner Bead**

Part of the family of SHEETROCK Metal Products. All metal galvanized steel reinforcement, protects external corners. Concealed with United State Gypsum Company joint compounds for a smooth, finished corner. Provides superior joint compound adhesion. Available in flange width: No. 103 1-1/4" x 1/1/4".



**THE COMPLETE  
PRODUCT LINE FOR  
INTERIOR FINISHING**

**06 • DUROCK CEMENT BOARDS WALLS**

USG's DUROCK Brand Cement Board is the result of extensive testing and continuous improvement, backed by over 100 years of experience in the building materials industry. This extensive testing ensures the superior strength and performance your project demands.

DUROCK Cement Board products are manufactured and tested in accordance with ASTM standards. ASTM International is one of the largest voluntary standards development organizations in the world, and is a trusted source for technical standards for materials, products, systems, and services.

DUROCK Cement Board exceeds the ANSI Standards for cementitious backer units (CBU).

All DUROCK Cement products meet ASTM Standard E136 for noncombustibility.

DUROCK Panels also meet Class A for surface burning characteristics under ASTM standard E84, Flame/Smoke - 0/0.

DUROCK Cement Board provides fire and moisture resistance, stays flat, and resists swelling. The panels can transfer wind load to the framing without breaking or deforming beyond an acceptable limit.

DUROCK Cement Board carries a 10-year transferable warranty for exterior applications.

## 07 • FIBEROCK REINFORCED GYPSUM BOARD

FIBEROCK Panels are engineered to provide increased resistance to abrasion, indentation and penetration for interior walls and ceilings in demanding construction applications. These gypsum fiber panels are designed to outperform paper-faced gypsum board. Strong, solid and durable . They resist denting, breaking and puncturing - even in high traffic areas. The VHI (Very High Impact) version contains reinforcing fiber glass mesh an even higher level of resistance to damage.

**a| FIBEROCK Panels** are code approved for use in noncombustible construction, They have exceptional service burning characteristics and fire resistance.

**b| FIBEROCK Panels** are installed and finished using drywall techniques.

### **c| FIBEROCK Panels**

available in sizes

12.7 x 1220 x 3005 /mm

15.9 x 1220 x 3005 /mm

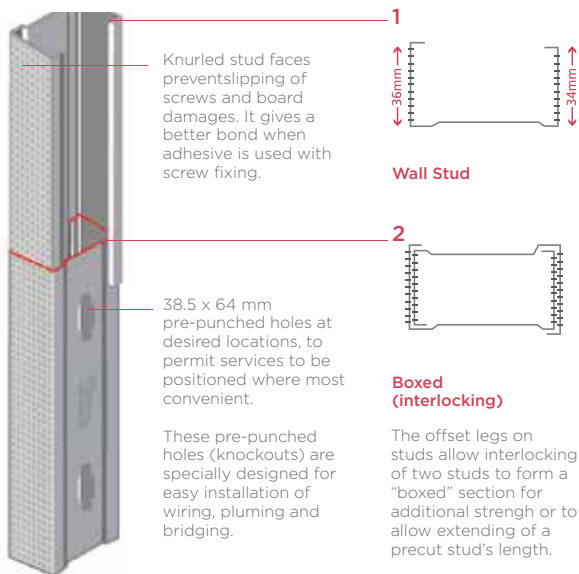
### **d| Wall and Ceiling Applications**

Engineered for strength , durability and resistance to moisture, mold and fire, FIBEROCK Brand panels are like nothing else on the market. USG's patented technology creates a uniform composition with no face to delaminate, making these panels tough to the core for high performance in interior applications. Panels are Green Cross Certified.



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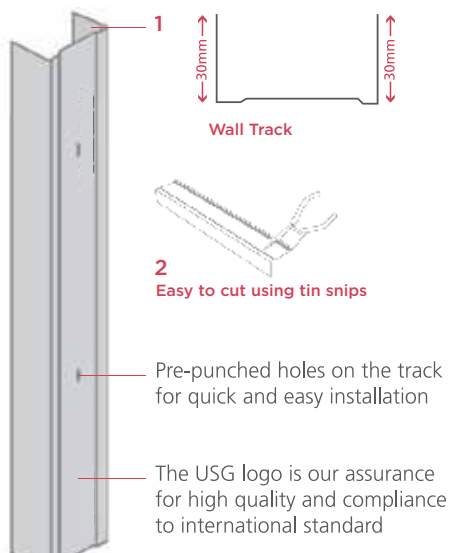
## 1| Wall Stud



### Features & Benefits of Dry Wall

- Dimensionally stable
- Won't warp, twist or bow
- Easily installed
- Few tools required
- Fire resistant
- Non-combustible
- Flexibility of configuration

## 2| Wall Track



## 08 • DRY WALL STEEL PARTITION SYSTEM

### a| Lightweight and Economical:

lightweight fire and sound-resistant assemblies provide an economical solution for single, double and multi-layer drywall partitions in commercial, residential and institutional applications.

### b| Applications:

These systems are adaptable to virtually any type of new construction, including commercial, residential, institutional and industrial. They are also useful in renovation to provide smooth, durable interior surfaces. Fire-resistant assemblies are also available. These partitions provide efficient sound insulation at all frequencies. The multilayer designs provide exceptional isolation at low, middle and high frequencies, making them ideal for isolating loud music, mechanical equipment and amplified speech sound sources, STC ratings are up to 62 for multilayer, 55 for double-layer and 55 for single-layer resilient partitions and 54 for single-layer. They are lightweight and thin, allowing for the most efficient use of materials and space.

### Features and benefits of Wall Stud

- 1- Stud's length is optional and could vary from 2 to 7 m max
- 2- Stud holes are pre-punched at desired locations
- 3- Wide range of standard depths and gauges (48.8, 62.8, 73.8, 90.8, 98.8, 123.5, 148.5 mm Thickness 0.45, 0.5, 0.6, 0.9-1.5 mm)
- 4- Dimensionally stable
- 5- Fully compatible with all standard gypsum boards
- 6- C channels are roll-formed from corrosion resistant galvanized steel that conforms to ASTM C 645

### Features and benefits of Wall Track

- 1- Track is available in stock length, or custom ordered to match specific job requirements
- 2- This flexibility allows the end user to efficiently control labor costs at the job site
- 3- Wide range of standard depth and gauges (50, 64, 75, 92, 100, 125, 150 mm/Thickness 0.45, 0.5, 0.6, 0.9-1.4 mm)
- 4- Dimensionally stable
- 5- Fully compatible with all standard gypsum boards
- 6- U channels are roll-formed from corrosion resistant galvanized steel that conforms to ASTM C 645

### 09 • METAL CEILING SYSTEMS

USG Boral offers wide range of high quality aluminium alloy and metal ceiling system that increase the aesthetic and functional value of your interiors within a modest ceiling budget.

USG Boral's superior quality metal ceiling products are available in standard suspended ceiling systems such as exposed grid / concealed suspension system; custom-made metal ceiling is also available on request to meet the different requirements of architect specification design.

### Features and benefits

- 1- Wide range of perforated patterns, standard are available upon request
- 2- Durable, washable polyester powder finish
- 3- Easy access for service maintenance
- 4- Robust and easy to clean
- 5- High sound absorption and sound attenuation
- 6- Extensive range of perimeter options
- 7- Environmentally friendly and recyclable



**ENHANCE YOUR  
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GYPSUM CEILINGS.**



## 10 • SHEETROCK BRAND GYPSUM PANELS Regular And Firecode® Cores

SHEETROCK Brand gypsum panels are factory-fabricated, composed of a fire resistant gypsum core encased in heavy natural-finish face paper and strong liner paper on the back side. The face paper is folded around the long edges to reinforce and protect the core, and the ends are square-cut and finished smooth. Long edges of panels are tapered, allowing joints to be reinforced and concealed with a Sheetrock Joint treatment system.

SHEETROCK gypsum panels are available with three core types for standard construction uses.

With a regular core, available in two thicknesses for specific purposes.

12.7mm Panels recommended for single-layer application in residential construction.

9.5mm Panels Lightweight, applied principally in the double-wall system over wood framing, and in repair and remodeling.

15.9mm Type X Gypsum Panels provide additional fire resistance over regular panels.

12.7mm and 15.9mm Type C Gypsum Panels Specially formulated mineral core provides fire resistance superior to that offered by Firecode Core gypsum panels.

### Features and benefits

- 1- Quality interior wall and ceiling panels at low cost
- 2- Fire-resistant dry construction
- 3- Score and snap easily
- 4- Resist cracking and warping
- 5- Specialized types for all systems
- 6- Quick installation and decoration

## 11 • SHEETROCK BRAND GYPSUM LINER PANELS

SHEETROCK Brand Gypsum Liner Panels have a non-combustible gypsum core that is encased in a water-resistant, 100 percent recycled green face and back paper. The panels are UL/ULC Classified for fire resistance (Type SLX) and feature double beveled edges for easy installation. SHEETROCK Brand Gypsum Liner Panels have been comprehensively tested for fire resistance, structural performance and sound control only when used with Sheetrock Brand Cavity Shaft Wall and Area Separation Wall framing components. All of the Sheetrock Brand Cavity Shaft Wall and Area Separation Wall System components must be used together to ensure superior system performance and safety.

Substitutions of any of the components are not recommended and are not endorsed by the United States Gypsum Company or USGBORAL Building Products and its aliates.

### Features and benefits

- 1- Scores and snaps easily; no special handling required.
- 2- UL Classified for fire resistance, surface burning characteristics and noncombustibility.
- 3- Comprehensive product and system testing assures long-term performance and safety.
- 4- Avoid exposure to temperatures exceeding 125°F (52°C).
- 5- Avoid exposure to excessive or continuous moisture before, during and after installation. Eliminate sources of moisture immediately.
- 6- Non-load bearing.



**ENHANCE YOUR  
SPACE WITH  
DECORATIVE AND  
ORNATE MOULDED  
GYPSUM CEILINGS.**



# 03

## USGBORAL PROJECT REFERENCES

P. 36

### 1 • PROJECT LIST

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P. 38-45

### 2 • USG PROJECT REFERENCE

- 01 - Burj Khalifa
  - 02 - King Saud Bin Abdul-Aziz University for Health Sciences
  - 03 - King Abdullah University of Science & Technology(KAUST)
  - 04 - Princess Nora Bint Abdulrahman University (PNU)
  - 05 - Dubai International Airport
  - 06 - Cleveland Clinic Abu Dhabi
-

# USGBORAL PROJECT LIST



# THE POWER OF USGBORAL DESIGN GIVES ARCHITECTS MAXIMUM FLEXIBILITY

## 01 • KINGDOM OF SAUDI ARABIA

- King Abdul Aziz University / Jeddah
- King Abdullah University For Science & Technology / Thuwal
- Taibah University / Madinah
- Islamic University / Madinah
- Umm Al-Qurra University / Makkah
- Ministry of Health Hospitals
- Ministry of Interior
- National guard Hospitals
- Ministry of Finance
- Ministry of Social Affairs
- Ministry of Education
- Aramco
- Saudi Electricity Co.
- General Authority of Civil Aviation-Airports
- Royal Commission of Jubail & Yanbu
- Princess Noura University (PNU) / Riyadh
- King Abdullah Financial District / Riyadh
- King Saud University / Riyadh
- King Faisal University / Alhassa
- Bughshan Hospital / Jeddah
- Industrial College / Jubail
- Movenpick, Medina

## 02 • QATAR

- Workers Hospital
- Mall of Qatar
- Ashghal School Projects
- Dukhan Housing Project
- Arab Center Project

## 03 • LEBANON

- Arab University
- Beirut Governemental Hospital

## 04 • UAE

- Burj Khalifa
- Burj Al Arab
- Cleveland Clinics
- New Dubai International Airport

## 05 • OTHER

- Princess Haya University / Jordan
- Sheraton Hotel/ Libya
- City Center / Egypt
- City Center / Bahrain
- Applebees
- Steakhouse

## USGBORAL PROJECT REFERENCE

### 01 • BURJ KHALIFA - DUBAI

USG SHEETROCK® brand gypsum panels and full complement of finishing products selected for world's tallest building, Burj Khalifa.

The world's tallest building, the Burj Khalifa in Dubai, UAE boasts many spectacular facts and figures. To put the size of the building in perspective, the 160 story Burj Khalifa is as tall as the Willis tower and Hancock center combined.

- USG was specified, selected and installed for overall quality - performance, acoustics, aesthetics, and fire rated assemblies.
- Nearly 14 million square feet of USG wallboard were imported by sea from the USA.
- USG also supplied insulation and steel framing.



**USG WAS SPECIFIED, SELECTED  
& INSTALLED FOR OVERALL  
QUALITY-PERFORMANCE,  
ACOUSTICS, AESTHETICS & FIRE  
RATED ASSEMBLIES.**



- The SHEETROCK® brand name stands for quality & performance around the globe.
- Other products involved in the project included:
  - SHEETROCK® Brand All-Purpose joint compound manufactured from USG middle east in Saudi Arabia.
  - SHEETROCK® Brand tape.
  - SHEETROCK® Brand paper-faced corner bead & trim.
  - SHEETROCK® acoustical sealant.
  - DUROCK® Cement Board and screws.
  - SHEETROCK™ Brand Shaft wall system.



## 02 • KING SAUD BIN ABDUL-AZIZ UNIVERSITY FOR HEALTH SCIENCES

### KSAU-HS Campuses

The construction project of the KSAU-HS three campuses in Riyadh, Jeddah, Ahsa and a hospital in Medina will be completed in three years.

Contractor: Bin Laden Group has been contracted to carry out the construction project.

Consultants : Perkins & Will (Master plan) ;  
Dar Al Handash (design)

### Riyadh

KSAU-HS main campus in Riyadh alone stretches over an area of 5,000,000 sq. m. The campus is in the east of Riyadh. Its design is a mix of contemporary and Islamic architecture to reflect the essence of Saudi local culture and tradition. The campus has a capacity of ten thousand students, but it can accommodate future increase in student enrolment.

### Jeddah

Covering an area of 475,000 sq. m. The architectural design of Jeddah Campus has integrated the new buildings with the existing complex of KAMC for easy communication. The campus can accommodate up to 4000 students. Main units of campus include: Administration Building, Conference Center, Clinical Skill Training Center, King Abdullah International Medical Research Center, Seven Colleges (Medicine, Nursing, Applied Medical Sciences, Science and Health Professions), Housing Compounds, Sports Center and Recreational Facilities.



### **EAST CAMPUS IN AHSA**

Covering an area of 642,000 sq. m Al Ahsa campus can accommodate up to 3000 students. Main units of the campus include: Administration Building, Conference Center, Clinical Skill Training Center, King Abdullah International Medical Research Center, Seven Colleges (Medicine, Nursing, Applied Medical Sciences, Science and Health Professions), Housing Compounds, Sports Center and Recreational Facilities.



### **LIST OF SUPPLIED IMPORTED ITEMS**

- Mars Climaplus 600x600x19mm
- Halcyon Climaplus 600x600x19mm
- FIBEROCK ® Abuse-Resistance Panels 4'X10'5/8"
- FIBEROCK ® Abuse-Resistance Panels 4'X10'1/2"
- FIBEROCK ® Abuse-Resistance Panels 4'X10'X5/8"
- Durock ® Cement Board Panels 4'x8'x1/2"
- Durock ® Cement Board Panels 4'x10'x5/8"

**ITS DESIGN IS A MIX OF CONTEMPORARY AND ISLAMIC ARCHITECTURE TO REFLECT THE ESSENCE OF SAUDI LOCAL CULTURE AND TRADITION.**

## THE PROJECT CALLS FOR CONSTRUCTION OF A NEW UNIVERSITY FOR WOMEN.

### 03 • KING ABDULLAH UNIVERSITY OF SCIENCE & TECHNOLOGY (KAUST)

The project calls for construction of King Abdullah University of Science & Technology (KAUST) on Thuwal approximately 80 kilometres north of Jeddah. KAUST is divided to 4 main packages: Residential buildings, Civic buildings, a University Campus and a Marina. The university will cover more than 36 million square metres and will be capable of serving up to 20,000 people.

King Abdullah opened the university on Wednesday 23rd September 2009.

#### List Of Supplied Imported Items

FIBEROCK® Abuse-Resistant Panels  
4' x 10' x 5/8"

FIBEROCK® Abuse-Resistant Panels  
4' x 10' x 1/2"





#### **04 • PRINCESS NORA BINT ABDULRAHMAN UNIVERSITY IN RIYADH (PNU)**

The project calls for construction of a new university for women. The university covers more than 8 million square metres and located on King Khalid International Airport Road at north of Riyadh. The total built up area is around 3 million square metres.

The university includes administration buildings, 13 faculties, a 700-bed student hospital, laborites, Research centers, and residential area that include accommodation for students and staff.

#### **List Of Supplied Imported Items**

- Durock Cement Board
- Durabond
- Durock Cement Basecoat
- Perforated Gypsum Tiles
- Laminated Gypsum Tiled-plain white
- DONTN DX T24, T15&CE Grid Suspension Systems
- Mineral Fiber Ceiling Tiles (Mars)
- Joint Compound
- Dry wall accessories
- Stud and Track

## USGBORAL PROJECT REFERENCE



### 05 • DUBAI INTERNATIONAL AIRPORT

USG Featured products: Sheetrock gypsum board, Sheetrock Mold Tough board, Sheetrock Type X Fire Core, Durock cement board.



**THE LARGEST CITY OF THE  
UNITED ARAB EMIRATES.  
IT IS A MAJOR AVIATION HUB IN  
THE MIDDLE EAST**



**06 • CLEVELAND CLINIC ABU DHABI**

USG Featured products: Sheetrock Mold Tough boards, Dust Control Joint Compound, Sheetrock Mold Tough Abuse Resistant boards, Durock cement board, acoustical sealant, interior tape, fiberglass tape, Sheetrock Mold Tough Liner.

## 07 • MSHEIREB DOWNTOWN DOHA

Msheireb Downtown Doha will transform the centre of the capital city, recreating a way of living that is rooted in qatari culture. Msheireb is the world's first sustainable downtown regeneration project, that will revive the old commercial district with a new architectural language that is modern, yet inspired by traditional Qatari heritage and architecture – its proportion, simplicity, space, light, layering, ornament and response to climate. Utilising the latest in sustainable technologies, Msheireb will adhere to the highest standards in green building. The strategic objective of the Msheireb project is to reverse the pattern of development in Doha, which has tended towards isolated land use, reliance on car transportation and energy hungry structures. Msheireb Downtown Doha will become a new social and civic hub in the city centre – a place where it is enjoyable to live, work, shop, visit, and spend time with family and friends.



# MSHEIREB IS THE WORLD'S FIRST SUSTAINABLE DOWNTOWN REGENERATION PROJECT



### **Volume**

Gypsum & Durock panels: 410,000 SQM

Gypsum plastering: 1,200 TONS

### **Materials Supplied**

Diamond Veneer Plaster

Red Top Wood Fiber Plaster

Imperial Firecode C panels

Sheetrock Regular panels

Sheetrock Type X panels

Sheetrock Type C panels

Sheetrock Mold Tough panels

Sheetrock AR panels

Sheetrock Ultralight Mold Tough panels

Securock Glass-Mat Sheathing

Durock Cement Board