



17 11 11
Build Natural

With Gboard at the forefront of its innovations, ASK is a regional leader in the gypsum industry, catering to the local and regional market with 100% Saudi-manufactured gypsum boards, and a production capacity that is expected to reach 50 million sqm by 2012.

We believe that a long-term partnership with consultants, contractors and end-consumers rests on a top quality product. This is why we make sure that our Gboard panels meet benchmark standards in Europe, the United States, and across the globe.

Today, as more and more partnerships and certifications endorse the excellence of our product, we cannot help but look into new ways for innovation and expansion. State-of-the-art technology, production development, and recruitment of talent and expertise, are only some of the ways we are following to cater to an increasingly demanding market.

On behalf of our team, we invite you to discover firsthand the advantages of our products, and partner with us in chalking out a new standard in the industry.

Founder and Chief Executive Officer

Charles J. El Khoury

A regional leader.

Established in 2005 as a Lebanese-Saudi joint venture, ASK is a limited liability company registered in Saudi Arabia as per the laws in force. Specializing in the manufacture and trade of gypsum products for the Region, it has brought to the Kingdom more than 50 years of experience in the industry, and a new era of technological innovations and precision products.

ASK Gypsum Factory is the largest supplier of gypsum products in the Gulf. Its 75,000 sqm facility produces over 20 million sqm of gypsum boards per year, and is expected to reach 50 million sqm by 2012.



Gypsum: The next construction essential.

Gypsum has become an essential element for building interiors and lightweight construction solutions. Produced by ASK under the commercial names of Gboard (for boards) and Gulf Gypsum (for powder), gypsum is increasingly used to add strength to the interior walls of buildings, and has insulation qualities that enhance living and working conditions.

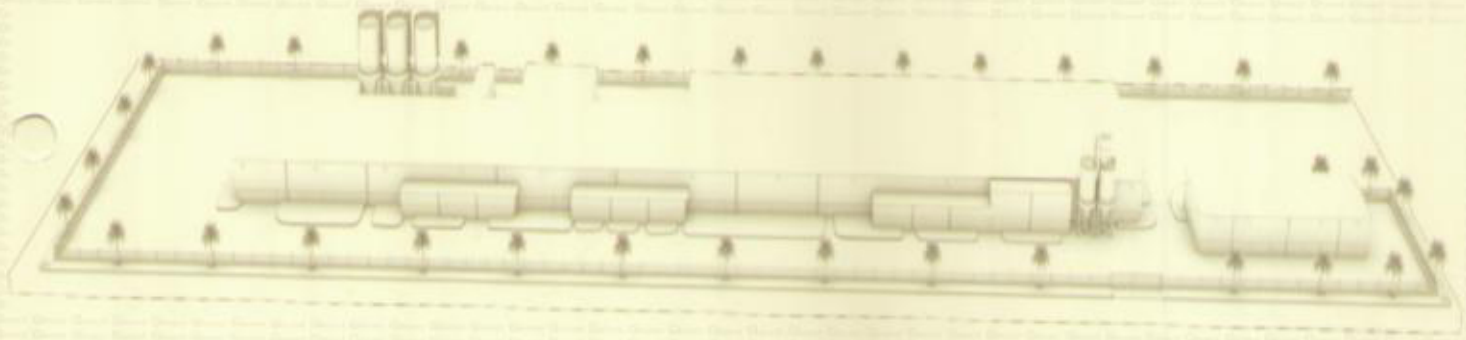
Gboard offers the full spectrum of gypsum boards, from standard to fire resistant and water resistant boards. To further improve these types, gboard inovated impact-resistant boards, used in schools, hospitals and public facilities to reinforce walls that are subject to impact.

International quality standards.

Gboard's leadership in the gypsum industry is a result of one thing: quality. Strict quality control applies from beginning to end, with a close monitoring of the raw material received from the factory's own quarries, to ensure manufacturing embarks with the required high-level components. Precision measurement equipment is then used to maintain optimal tolerance levels for the production line.



CONTACTS



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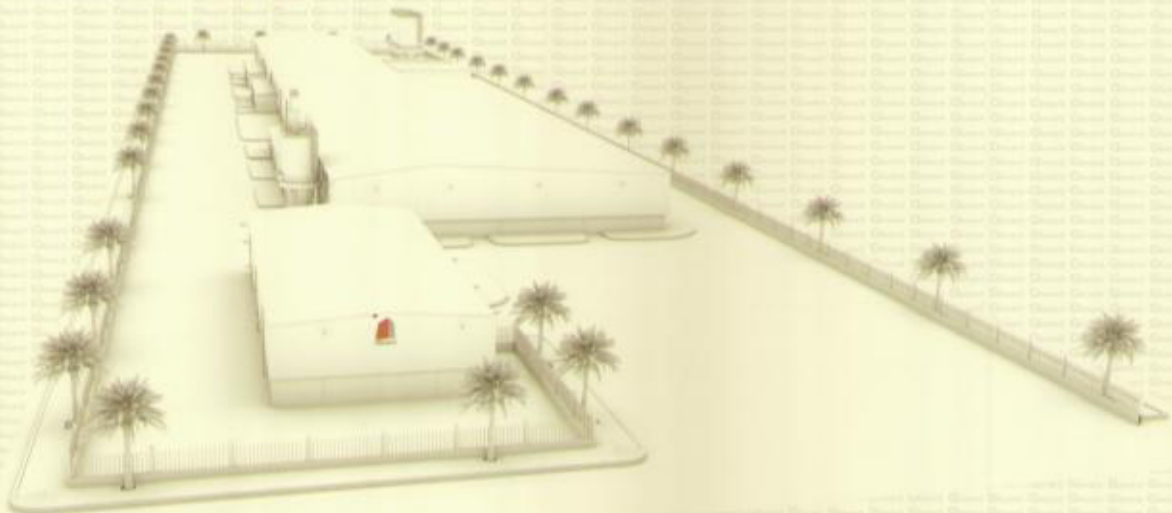
www.gulfgypsums.com
www.gboard-sa.com

THE PRODUCT

UL certification

The UL Mark is the most recognized, accepted and trusted symbols in the world. It is a registered certification mark of Underwriters Laboratories Inc. (UL), an independent product safety testing and certification organization.

For the sake of understanding of the UL certification, it is worth highlighting the difference between a 'Certificate' and a 'test report' – UL certificates are issued when a product qualifies and meets all the requirements and safety norms set forth by the Underwriters laboratories with regards to safety. Whereas test reports are a temporary phenomenon that declares a particular lot or a batch of the product produced at a given time to be test approved, thus test reports are valid only for that particular batch. That is what sets Gboard apart from rest of its compatriots, being a genuine UL tested and Certified product carrying UL mark.



White gypsum. Green Company.

In a company that believes in natural construction products, Gboard is produced in the "greenest" ways possible. Raw gypsum is extracted directly from the factory's quarries, making the starting material as pure as possible, and the final product 99.9% natural.

With "build natural" as its motto, Gboard applies the most eco-friendly methods, such as dust minimization, waste diminution, and conservation of energy and water. This optimized utilization of natural resources, combined with cutting-edge technologies, has helped Gboard remain ahead of competition as a Company that continuously develops its products and provides benchmark quality at effective value.

Beyond excellence.

Meeting clients' expectations is easy. Exceeding them is what Gboard prides with. By offering exceptional service, innovative solutions, and quality products at the best value, it has become a reference in reliability and economy, and an industry player with a well-earned market share.

Gboard - R

In compliance with International Standards



- Gboard - R:** Is a trade mark of Gulf Gypsum Company, it's a regular gypsum wallboard a preferred product in the industry due to its consistently high quality standards.
- Basic Uses:** As a covering material for all types of walls and ceilings in both new construction or renovated / remodelled buildings and spaces.
- Application:** As per requirements, wallboard is designed for direct attachment by screws, nails, adhesives or metal framing depending on the mounted surface. It could be used as a single layer as well as a double or multi-layered wall systems.
- Recommendation:** The relative thickness of +12.5 mm is highly recommended for single-layer application in all kind of residential construction and spaces.

9.5mm thickness, is a lightweight gypsum panel, basically used on ceilings, or in double-layered wall systems over existing framing for remodelling projects.

6mm to 7.5 mm thickness low cost and extremely light weight board recommended to be used as a base layer, and also over old / damaged ceiling or walls. Also it's an ideal product for making curves and bent shapes surfaces.

Product Data: Standard dimensions: L X W / mm

	1600	2000	2400	2500	2800	3000
1200	○	●	●	●	●	●

Thickness: in mm

Any	9.5	12.5	15	16	18	21
▲	●	●	●	○	●	●

Edges:

	Square	Tapered	Tapered with round edge	Other
All Sizes	●	●	○	▲

- Legend:**
- Standard sizes.
 - Custom size available on request.
 - ▲ Custom tailored boards are available on demand!

99.9 % Natural Product

Build Natural



Gboard - W

In compliance with International Standards



- Gboard - W:** Is a trade mark of Gulf Gypsum Company, it's a Moisture and Water Resistant gypsum wallboard suitable for use in internal wet and high humidity areas.
- Basic Uses:** As a covering material for all types of walls and ceilings in both new construction and or renovated / remodelled wet and humid spaces.
- Application:** As per requirements, wallboard is designed for direct attachment by screws, nails, adhesives or metal framing depending on the mounted surface. It could be used as a single layer as well as a double or multi-layered wall systems.
- Recommendation:** The relative thickness of +12.5 mm is highly recommended for single-layer application in all kind of residential construction and spaces.

9.5mm thickness, is a lightweight gypsum panel, basically used on ceilings, or in double-layered wall systems over existing framing for remodelling projects.

Lesser thicknesses are a low cost and extremely light weight board recommended to be used as a base layer, and also over old / damaged ceiling or walls. Also it's an ideal product for making curves and bent shapes surfaces.

Product Data: Standard dimensions: L X W / mm

	1600	2000	2400	2500	2800	3000
1200	○	●	●	●	●	●

Thickness: in mm

Any	9.5	12.5	15	16	18	21
▲	●	●	●	○	●	●

Edges:

	Square	Tapered	Tapered with round edge	Other
All Sizes	●	●	○	▲

- Legend:**
- Standard sizes.
 - Custom sizes.
 - ▲ Custom tailored boards are available on demand!

99.9 % Natural Product

Build Natural



Gboard - F

In compliance with International Standards



- Gboard - F:** Is a trade mark of Gulf Gypsum Company, a superior Fire Resistant / Retardant gypsum wallboard suitable for use internally where superior fire resistance lining applications and characteristics is essential.
- Basic Uses:** As a covering material for all types of walls and ceilings in special buildings and fire rated spaces like labs, hospitals, banks, and governmental sectors.
- Application:** As per requirements, wallboard is designed for direct attachment by screws, nails, adhesives or metal framing depending on the mounted surface. It could be used as a single layer as well as a double or multi-layered wall systems.
- Recommendation:** The relative thickness of +12.5 mm is highly recommended for single-layer application in all kind of residential construction and spaces.

9.5mm thickness, is a lightweight gypsum panel, basically used on ceilings, or in double-layered wall systems over existing framing for remodelling projects.

6mm to 7.5 mm thickness low cost and extremely light weight board recommended to be used as a base layer, and also over old / damaged ceiling or walls. Also it's an ideal product for making curves and bent shapes surfaces.

Product Data: Standard dimensions: L X W / mm

	1600	2000	2400	2500	2800	3000
1200	○	●	●	●	●	●

Thickness: in mm

Any	9.5	12.5	15	16	18	21
▲	●	●	●	○	●	●

Edges:

	Square	Tapered	Tapered with round edge	Other
All Sizes	●	●	○	▲

- Legend:**
- Standard sizes.
 - Custom sizes.
 - ▲ Custom tailored boards are available on demand!

99.9 % Natural Product

Build Natural



Gboard - WF

In Compliance with International Standards



- Gboard - WF:** Is a trade mark of Gulf Gypsum Company, a combined mixture of Water and Fire Resistant / Retardant gypsum wallboard offering superior quality for such a lining applications where likely demands are needed.
- Basic Uses:** As a covering material for all types of walls and ceilings in special buildings with water & fire rated spaces specs are highly required.
- Application:** As per requirements, wallboard is designed for direct attachment by screws, nails, adhesives or metal framing depending on the mounted surface. It could be used as a single layer as well as a double or multi-layered wall systems.
- Recommendation:** The relative thickness of +12.5 mm is highly recommended for single-layer application in all kind of residential construction and spaces.

9.5mm thickness, is a lightweight gypsum panel, basically used on ceilings, or in double-layered wall systems over existing framing for remodelling projects.

6mm to 7.5 mm thickness low cost and extremely light weight board recommended to be used as a base layer, and also over old / damaged ceiling or walls. Also it's an ideal product for making curves and bent shapes surfaces.

Product Data: Standard dimensions: L X W / mm

	1600	2000	2400	2500	2800	3000
1200	○	●	●	●	●	●

Thickness: in mm

Any	9.5	12.5	15	16	18	21
▲	●	●	●	○	●	●

Edges:

	Square	Tapered	Tapered with round edge	Other
All Sizes	●	●	○	▲

- Legend:**
- Standard sizes.
 - Custom sizes.
 - ▲ Custom tailored boards are available on demand!

99.9 % Natural Product

Build Natural





9
Build Natural

Warranty

Dedicated to customer service and quality manufacturing, Gboard guarantees its products will be free of defects in materials and complies with international standards. Gboard will replace any product that fails to conform as promised.

Gboard

Patrick Pearson
QC Department Head

A handwritten signature in blue ink, appearing to read "Patrick Pearson", is written below the printed name.

Limitation of Liability: Gboard's entire liability with respect to this product shall be limited to the price of the product. In no event shall Gboard, its agents or employees, be liable for direct, indirect special, consequential or incidental damages arising out of the use of, or inability to use this product, even if Gboard has been advised of the possibility of such damages. Gboard is a registered trademark of ASK Gypsum Factory.



Build Natural

Certificate of Quality Commitment

This certifies that Gboard gypsum boards, manufactured by ASK Gypsum Factory, are subject to the industry's highest standards of quality at every level of production. From raw materials to the finished product, all components of each manufacturing lot are fully traceable and produced in a controlled environment.

ASK Gypsum Factory guarantees that its product is 99.9% natural product, made from natural gypsum rocks, free of any synthetic gypsum and have zero Volatile Organic Content.

The company certifies that manufactured gypsum boards are in compliance with International Standards.

Gboard

Patrick Pearson
QC Department Head

A handwritten signature in blue ink, appearing to read "P. P.", positioned below the printed name and title.

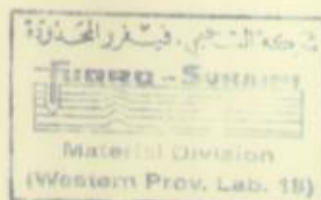
FLEXURAL STRENGTH OF REGULAR GYPSUM WALLBOARD TEST REPORT

Client	Gboard (ASK GYPSUM FACTORY LTD.)	Report Date	14 June 2010
Project	ASK, Gypsum Factory, LIP, Yanbu Al-Sinaiyah	Job No.	SA10-9585
Material Description	Gypsum Wallboard	Lab No.	10633
Test Method	ASTM C-473-07	Sample Received by FSL	25 May 2010
Product Description	Regular Gypsum Wallboard	Sampled by	ASK GYPSUM

FSL has performed standard testing on samples of gypsum wallboard to determine the flexural strength. The testing was carried out by supporting the specimen near the ends and applying a transverse load midway between the supports at a uniform rate. The test results and pertinent information are as follows:

1. DIMENSION OF FULL-SIZE GYPSUM WALLBOARD		
Specified Dimensions (mm) (Nominal)	Measured Dimensions (mm) (Average)	Permissible Tolerances (mm) (ASTM C-1396 Requirements)
Length : 2400	2400	-
Width : 1200	1200	- 3
Thickness : 12.5	12.6	± 0.4
2. FLEXURAL STRENGTH (Method A-Constant Rate of Loading)		
(Bearing Edges Parallel to Panel Length) Test Specimens	Breaking Load (N)	ASTM C-1396-06 Specification Requirements
S-1	480	
S-1	530	
S-3	490	
S-4	540	
Average Value	510	489 (Minimum)
3. FLEXURAL STRENGTH (Method A-Constant Rate of Loading)		
(Bearing Edges Perpendicular to Panel Length) Test Specimens	Breaking Load (N)	ASTM C-1396-06 Specification Requirements
S-1	250	
S-1	220	
S-3	200	
S-4	210	
Average Value	220	178 (Minimum)
Note: ASTM C-1396 "Standard Specification for Gypsum Wallboard"		

Remarks: The test results indicated **conformance** to the ASTM C-1396-06 specification requirement for the flexural strength.



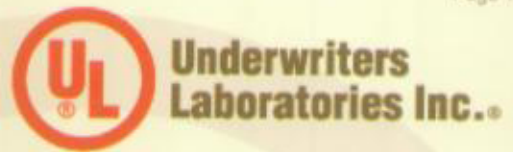
[Signature]

FUGRO-SUHAIMI LTD

Certificate of Compliance

Certificate Number 20110114 - R26837
Report Reference R26837 2010 December 29
Issue Date 2011 January 14

Page 1 of 1



Issued to: ASK GYPSUM FACTORY

LIGHT INDUSTRIAL AREA, PO BOX NO-31381
YANBU AL SANAIYAH, YANBU, 51000 SAUDI ARABIA

*This is to certify that
representative samples of*


Gypsum Board
15.9 mm (5/8 in.) thick, 1200 mm (47-3/16 in.) wide, Type C36 for use in
Design No. U399. This material is available in metric width

*Have been investigated by Underwriters Laboratories Inc.® in
accordance with the Standard(s) indicated on this Certificate.*

Standard(s) for Safety: This category covers gypsum board investigated for use in fire-resistance
designs as detailed in Fire Resistance Ratings - ANSI/UL 263 (BXUV).

Additional Information: See UL On-Line Certification Directory at www.UL.com for additional
Information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle:  with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product

William R. Carney,
Director of the North American Certification Program,
Underwriters Laboratories Inc.

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc.
For questions in India, you may call 91-80-4138 4400, UL India Pvt. Ltd

Annex 5: Boardtype 12,5 GKB Water Gboard

Client: Gboard
Boardtype: 12,5
Nominal size: 2000 x 1200 x 12,5 mm³ WR Water G Board GKB H tapered boarder
End-face marking: no labeling

Document No: 1433/958/10
Checker: M. Weber
Date of sampling: -
Test material received: 09.09.10

dimensions in as-required: 14-09-2010

board number	length			width			thickness													
	1 [mm]	2 [mm]	3 [mm]	1 [mm]	2 [mm]	3 [mm]	1 [mm]	2 [mm]	3 [mm]	4 [mm]	5 [mm]	6 [mm]	7 [mm]	8 [mm]	9 [mm]	10 [mm]	11 [mm]	12 [mm]	average value [mm]	
1	2000	2001	2000	1198	1199	1198	12,4	12,5	12,4	12,2	12,3	12,5	12,3	12,6	12,3	12,3	12,4	12,2	12,4	12,4
2	2000	2001	2002	1198	1199	1199	12,4	12,5	12,2	12,5	12,4	12,4	12,4	12,6	12,3	12,6	12,6	12,4	12,4	12,4
3	2000	2000	1999	1198	1199	1198	12,5	12,7	12,4	12,6	12,7	12,7	12,4	12,6	12,5	12,5	12,5	12,4	12,5	12,4
average value:	2000			1199			1199												12,4	

test equipment:
measuring tape: Tajima HiLock-16 (3000 mm)
slide gauge: 300 mm (MPA-024)
taper profile counter: Maß Digital Mehrtr 1075 (MPA-055)
scales: Sartorius LP 34000 P, Inv.-Nr.: 04911/035)
Sartorius LC 2301 S, Inv.-Nr.: 7416)
climatic cabinet: Halle I, Raum 006 (Can-Bus-DL 006)
Cobb-processor: PFT (von Fa. KNAUF)

squareness and taper profile: 14-09-2010

board number	squareness				taper width				taper depth				average value	
	δ_1 [mm]	δ_2 [mm]	R_w [mm]	R_w [mm]	1 [mm]	2 [mm]	3 [mm]	4 [mm]	1 [mm]	2 [mm]	3 [mm]	4 [mm]	average value [mm]	average value [mm]
1	2	1	1,3	39	40	41	41	41	0,99	1,35	0,94	0,46	0,94	0,94
2	2	2	1,7	43	37	36	44	40	0,85	0,94	0,95	0,84	0,92	0,89
3	2	2	1,7	39	38	42	43	41	0,99	0,80	0,93	0,83	0,89	0,91
average value:	1,5				40				0,91				0,91	

weight per unit area, density, collapse load, deflection & modulus of elasticity:

test material number	length [mm]	width [mm]	weight air-dry [g]	weight dry 40° C [g]	weight per unit area [kg/m ²]	density [kg/m ³]	effective span [kg/m ³]	collapse load FU [N]	deflection f_{max} [mm]	modulus of elasticity [N/mm ²]	test in material direction of testing	test period		length [mm]	width [mm]	thickness [mm]	weight air-dry [g]	weight climate 23/50 [g]	weight wet after 2 hours [g]	water absorption [weight %]	
												from time	to time								
1 L	399	298	1293,4	1289,6	10,8	872	350	653,6	7,46	3285	1 front view	07:30	09:30	124	124	12,3	184,5	184,6	165,8	1,20	0,73
1 T	401	298	1299,5	1295,8	10,8	872	350	289,5	4,86	2620	1 back view	09:30	11:30	124	125	12,4	171,8	172,0	173,4	1,40	0,81
2 L	398	298	1285,5	1281,6	10,8	858	350	652,0	7,47	3325	2 front view	07:25	09:25	124	125	12,6	167,5	167,8	168,7	0,90	0,54
2 T	400	301	1311,9	1308,1	10,8	862	350	272,3	3,93	2759	2 back view	09:29	11:29	126	123	12,4	166,8	166,9	168	1,10	0,66
3 L	400	296	1255,5	1251,6	10,8	846	350	624,0	10,25	3144	3 front view	11:47	13:47	124	123	12,5	161,4	161,6	162,6	1,00	0,62
3 T	400	300	1259,3	1256,1	10,5	837	350	276,8	6,80	2476	3 back view	13:48	15:48	125	123	12,3	162,0	162,9	163,1	0,20	0,12
average value:																					

summary of test results

board number	length [mm]	width [mm]	thickness [mm]	squareness R_w [mm]	taper profile width [mm]	taper profile depth [mm]	weight per unit area [kg/m ²]	density [kg/m ³]	collapse load in longitudinal direction (L) [N]	modulus of elasticity in longitudinal direction (L) [N/mm ²]	collapse load in transverse direction (T) [N]	modulus of elasticity in transverse direction (T) [N/mm ²]	water absorption		
													front view [weight %]	back view [weight %]	
1	2001	1198	12,4	1,25	40,3	0,94	10,8	872	653,60	3265	269,50	2620	0,73	0,81	
2	2000	1198	12,6	1,67	40,0	0,92	10,9	860	652,00	3325	272,30	2759	0,54	0,66	
3	2000	1198	12,5	1,67	40,5	0,89	10,6	842	624,00	3144	276,80	2476	0,62	0,12	
average value:	2000	1198	12,5	1,53	40,3	0,91	10,7	858	---	---	---	---	0,63	0,53	
DIN EN 520 requirements meet:	1995 to 2000	1196 to 1200	± 0,5 mm	3,0	40 bis 80/6 bis 2,4	Yes	---	≥ 800	≥ 515	---	≥ 210	---	---	water absorption class H1	Yes

Table 1 Test results nail pull resistance acc. ASTM C 473-10, Method B.

Auftraggeber / Client: ASK Gulf Gypsum
 Auftragsnummer / Commission no.: 1032/364/11
 Sachbearbeiter / Advisor: Frau / Ms Hirschfeld
 Baustoffprüfer / Tester: Herr / Mr Weber
 Probeneingang / Sample Arrival: 03.05.11 / 05-03-11
 Plattentyp/Type of board: Gboard regular
 Aufdruck/Inscription on boards: -
 Datum Prüfung / Date of test: 09.05.2011
 Probenkond. / Sample Cond.: nach/acc. ASTM C 473-10 29.5 ± 8.5 °C / 50 ± 2 % rel. LF/Hum.
 Prüfnorm/ Test standard: ASTM C473-10
 Prüfmethode / Test method: Methode B / Method B
 Prüfmaschine/Testing machine: elektromechanische Universalprüfmaschine, Inv.-Nr. /
 electro-mechanical universal testing machine, Reg.-No. 7420



Probe / Sample	Länge / Length [mm]	Breite / Width [mm]	Masse bei Lagerungsbeginn / Weight at beginning of storage 2011-05-03 [g]	Masse / Weight 2011-05-04 [g]	Masse bei Ende der Lagerung / Mass at end of storage 2011-05-09 [g]	Kraft / Force [N]
1*	150	150	316.9	317.1	317.3	1098
2			328.1	328.4	328.6	942
3			325.3	325.6	325.7	909
4			326.2	326.5	326.7	1030
5			327.3	327.8	328.0	1052
Durchschnitt / Average						1006
Mittel/average + 15 %						855
Mittel/average - 15 %						855
Standardabweichung / Deviation						79
95% repeatability			Durchschnitt / Average - 24,95 N			981
95% reproducibility			Durchschnitt / Average - 39,85 N			966

* Platten bei Anlieferung beschädigt / samples damaged due to the transport

Anforderung nach requirement acc. ASTM C 1395 für Plattendicke / thickness 12.7 mm	343 N
Anforderung / requirement	erfüllt / fulfilled

LETTER OF TRANSMITTAL

To	Gboard (ASK GYPSUM FACTORY LTD.)		
Attention	Mr. Elias Al Chami Mr. Charles El Khoury		
Reference	Flexural Strength and Water Absorption of Regular and Water-Resistant Gypsum Wallboard – Test Reports		
Project:	ASK, Gypsum Factory, LIP, Yanbu Al-Sinaiyah	Report Date	14 June 2010
		Job No.	SA10-9585
Attached hereto are reports as follows:			
Copies	Lab No.	Description	No of Samples
1	10663	Flexural Strength of Regular Gypsum Wallboard	04
1	10634	Flexural Strength and Water Absorption of Gypsum Wallboard	04

FUGRO-SUHAIMI LTD.

Arshad

Syed Arshadullah
Laboratory Manager - Yanbu

Yanbu Al Sinaiyah - Saudi Arabia - Tel: 04 396-2173, Fax: 04 321 0963



LETTER OF TRANSMITTAL

To	Gboard (ASK GYPSUM FACTORY LTD.)		
Attention	Mr. Charles El Khoury		
Reference	Surface Water Absorption of Water-Resistant Gypsum Wallboard Test Reports		
Project:	ASK, Gypsum Factory, LIP, Yanbu Al-Sinaiyah	Report Date	24 July 2010
		Job No.	SA10-9585
Attached hereto are reports as follows:			
Copies	Lab No.	Description	No of Samples
1	10824/1-3	Surface Water Absorption of Water-Resistant Gypsum Wallboard	03

FUGRO-SUHAIMI LTD.

Syed Arshadullah
Laboratory Manager - Yanbu

LETTER OF TRANSMITTAL

To	G Board (Ask Gypsum Factory)		
Attention	Mr. Jawad Majeed - Sales Coordinator		
Reference	DIMENSION AND FLEXURAL STRENGTH OF REGULAR & WATER-RESISTANT GYPSUM WALLBOARD - TEST REPORT		
Project:	Ask Gypsum Plant, Yanbu Al Sinaiyah	Report Date	30 January 2012
		Job No.	SA11-9642
Attached hereto are reports as follows:			
Copies	Lab No.	Description	No of Samples
1	031	Dimensions Measurement and Flexural Strength Determination of Regular Gypsum Wallboard (Nominal Size : 2400 x 1200 x 15.0 mm)	01
1	032	Dimensions Measurement and Flexural Strength Determination of Water - Resistant Gypsum Wallboard (Nominal Size : 2400 x 1200 x 15.0 mm)	01

FUGRO-SUHAIMI LTD.


Syed Arshadullah
Laboratory Manager - Yanbu



Yanbu Al Sinalyah - Saudi Arabia - Tel: 04 396-2173, Fax: 04 321 0963

WATER ABSORPTION OF WATER-RESISTANT GYPSUM WALLBOARD - TEST REPORT

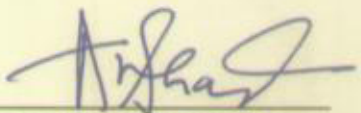
Client	Gboard (ASK GYPSUM FACTORY LTD.)	Report Date	14 June 2010
Project	ASK, Gypsum Factory, LIP, Yanbu Al-Sinaiyah	Job No.	SA10-9585
Material Description	Gypsum Wallboard	Lab No.	10634
Test Method	ASTM C-473-07	Sample Received by FSL	25 May 2010
Product Description	Water Resistant Gypsum Wallboard	Sampled by	ASK Gypsum

FSL has performed standard testing on samples of gypsum wallboard to determine water absorption. The water absorption of the gypsum wallboard specimens is determined after conditioning and subsequently immersing the specimens in water for the specified 2 hours elapsed time. The test results and pertinent information are as follows:

Determination	Test Specimens	Test Results (%)	ASTM C-1396-06 Specification Requirements
Water Absorption after 2 hours Immersion (% of the original weight)	S-1	5.2	-
Water Absorption after 2 hours Immersion (% of the original weight)	S-2	4.9	-
Water Absorption after 2 hours Immersion (% of the original weight)	S-3	4.5	-
Water Absorption after 2 hours Immersion (% of the original weight)	S-4	4.2	-
	Average Value	4.7	5.0 (Max.)

Remarks: The test results indicated the test specimens have an average water absorption of 4.7 % by weight which is within the maximum specified permissible value of 5.0 %. The specimens tested conform to the ASTM C-1396-06 specification requirement for the water resistance.





FUGRO-SUHAIMI LTD.

DIMENSION AND FLEXURAL STRENGTH OF REGULAR GYPSUM WALLBOARD - TEST REPORT

Client	G Board (Ask Gypsum Factory)	Report Date	30 January 2012
Project	ASK Gypsum Plant, Yanbu Al Sinaiyah	Job No.	SA11-9642
Material Description	Gypsum Wallboard	Lab No.	031
Test Method	ASTM C-473-07	Sample Received by FSL	11 January 2012
Product Description	Regular Gypsum Wallboard	Sampled by	ASK Gypsum Co.

FSL has performed standard testing on samples of gypsum wallboard to determine the flexural strength. The testing was carried out by supporting the specimen near the ends and applying a transverse load midway between the supports at a uniform rate. The test results and pertinent information are as follows:

1. DIMENSION OF FULL-SIZE GYPSUM WALLBOARD		
Specified Dimensions (mm) (Nominal)	Measured Dimensions (mm) (Average)	Permissible Tolerances (mm) (ASTM C-1396 Requirements)
Length : 2400	2400	-
Width : 1200	1200	- 3
Thickness : 15.0	15.0	± 0.4
2. FLEXURAL STRENGTH (Method A-Constant Rate of Loading)		
(Bearing Edges Parallel to Panel Length) Test Specimens	Breaking Load (N)	ASTM C-1396-06 Specification Requirements
S-1	352	
S-1	336	
S-3	344	
S-4	313	
Average Value	336	222 (Minimum)
3. FLEXURAL STRENGTH (Method A-Constant Rate of Loading)		
(Bearing Edges Perpendicular to Panel Length) Test Specimens	Breaking Load (N)	ASTM C-1396-06 Specification Requirements
S-1	665	
S-1	704	
S-3	672	
S-4	695	
Average Value	684	667 (Minimum)
Note: ASTM C-1396 M-06 "Standard Specification for Gypsum Board"		

Remarks: The test results indicated conformance to the ASTM C-1396-06 specification requirement for the flexural strength and the measured dimensions is within the permissible tolerances.



[Signature]

FUGRO-SUHAIMI LTD.

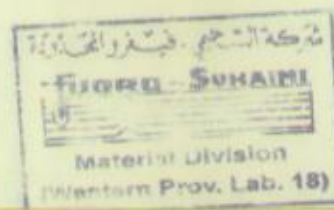
**DIMENSION AND FLEXURAL STRENGTH OF
WATER-RESISTANT GYPSUM WALLBOARD - TEST REPORT**

Client	G Board (Ask Gypsum Factory)	Report Date	30 January 2012
Project	ASK Gypsum Plant, Yanbu Al Sinaiyah	Job No.	SA11-9642
Material Description	Gypsum Wallboard	Lab No.	032
Test Method	ASTM C-473-07	Sample Received by FSL	11 January 2012
Product Description	Water-Resistant Gypsum Wallboard	Sampled by	ASK Gypsum Co.

FSL has performed standard testing on samples of gypsum wallboard to determine the flexural strength. The testing was carried out by supporting the specimen near the ends and applying a transverse load midway between the supports at a uniform rate. The test results and pertinent information are as follows:

1. DIMENSION OF FULL-SIZE GYPSUM WALLBOARD		
Specified Dimensions (mm) (Nominal)	Measured Dimensions (mm) (Average)	Permissible Tolerances (mm) (ASTM C-1396 Requirements)
Length : 2400	2400	-
Width : 1200	1199	- 3
Thickness : 15.0	15.0	± 0.4
2. FLEXURAL STRENGTH (Method A-Constant Rate of Loading)		
(Bearing Edges Parallel to Panel Length) Test Specimens	Breaking Load (N)	ASTM C-1396-06 Specification Requirements
S-1	274	
S-1	282	
S-3	274	
S-4	289	
Average Value	280	222 (Minimum)
3. FLEXURAL STRENGTH (Method A-Constant Rate of Loading)		
(Bearing Edges Perpendicular to Panel Length) Test Specimens	Breaking Load (N)	ASTM C-1396-06 Specification Requirements
S-1	657	
S-1	673	
S-3	680	
S-4	688	
Average Value	675	667 (Minimum)
Note: ASTM C-1396 M-06 "Standard Specification for Gypsum Board"		

Remarks: The test results indicated conformance to the ASTM C-1396-06 specification requirement for the flexural strength and the measured. dimensions is within the permissible tolerances.



[Signature]
FUGRO-SUHAIMI LTD.

SURFACE WATER ABSORPTION OF WATER-RESISTANT GYPSUM WALLBOARD - TEST REPORT

Client	Gboard (ASK GYPSUM FACTORY LTD.)	Report Date	24 July 2010
Project	ASK, Gypsum Factory, LIP, Yanbu Al-Sinaiyah	Job No.	SA10-9585
Material Description	Gypsum Wallboard (Nominal Size: L: 2400 x W: 1200 x T: 12.5 mm)	Lab No.	10824/1-3
Test Method	ASTM C-473-07	Sample Received by FSL	13 July 2010
Product Description	Water Resistant Gypsum Wallboard	Sampled by	ASK Gypsum

FSL has performed standard testing on samples of gypsum wallboard to determine surface water absorption. The surface water absorption of the gypsum wallboard specimens is determined after conditioning and subsequently filling the specified test area with water. The water level adjusted to 1 in (25.4 mm) head of water above the test area of the specimen and allowed to remain undisturbed for the specified time period of 2 hours. The test results and pertinent information are as follows:

Determination	Test Specimens	*Test Results (g)	ASTM C-1396-06 Specification Requirements
Surface Water Absorption after 2 hours Elapsed Time	S-1	1.49	-
Surface Water Absorption after 2 hours Elapsed Time	S-2	1.53	-
Surface Water Absorption after 2 hours Elapsed Time	S-3	1.57	-
	Average Value	1.5 g	1.6 g (Max.)

Note: The above test results indicated the difference between the dry and wet weights of the test specimen in grams (g).

Remarks: The test results indicated the test specimens have an average surface water absorption of 1.5 g which is within the maximum specified permissible value of 1.6 g. The specimens tested conform to the ASTM C-1396-06 specification requirement for the surface water absorption.



FUGRO-SUHAIMI LTD.

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With Gboard at the forefront of its innovations, ASK is a regional leader in the gypsum industry, catering to the local and regional market with 100% Saudi-manufactured gypsum boards, and a production capacity that is expected to reach 50 million sqm by 2012. .

We believe that a long-term partnership with consultants, contractors and end-consumers rests on a top quality product. This is why we make sure that our Gboard panels meet benchmark standards in Europe, the United States, and across the globe.

Today, as more and more partnerships and certifications endorse the excellence of our product, we cannot help but look into new ways for innovation and expansion.

State-of-the-art technology, production development, and recruitment of talent and expertise, are only some of the ways we are following to cater to an increasingly

On behalf of our team, we invite you to discover firsthand the advantages of our products, and partner with us in chalking out a new standard in the industry.

Founder and Chief Executive Officer

Charles J. El Khoury

Kingdom of Saudi Arabia
Royal Commission for Jubail and Yanbu
Directorate General for Royal Commission at Yanbu
Technical Affairs Division

المملكة العربية السعودية
الهيئة الملكية للجبيل وينبع
الإدارة العامة للهيئة الملكية بينبع
قطاع الشؤون الفنية

Environmental Consent to Construct

تصريح بيئي للإنشاء

This Certificate is issued to :

تم منح هذه الشهادة الى :-
مصنع أسك للألواح الجبسية

ASK GYPSUM PLASTERBOARD FACTORY

YANBU AL-SINAIYAH

بنبع الصناعية

under the authority of the Royal Commission for Jubail and Yanbu,
and authorizes construction of the facility cited above in accordance with the general conditions, limitations, and other requirements of the environmental regulations of the Royal Commission for Jubail and Yanbu and the laws of the Kingdom of Saudi Arabia.

ان الهيئة الملكية للجبيل وينبع بما لها من صلاحيات تسمح بموجبه إنشاء المرفق المذكور أعلاه طبقا للشروط العامة والقيود والمتطلبات الأخرى من التنظيمات البيئية الخاصة بالهيئة الملكية للجبيل وينبع وتلك التي تنص عليها نظم وقرارات المملكة العربية السعودية .

Facility LD No. 77

المرفق رقم : 77

Certificate No. 2-77-0308

رقم الشهادة : 0308-77-2

Effective Date MARCH 23, 2008

تاريخ بدء السريان : 23 مارس 2008 م

Deputy Director General for Technical Affairs

مُرْتَأب المدير العام للشؤون الفنية

عنه
م / سعود بن عيضة الدلاوي

MYAS EC-1 1 Aug 04

Date

التاريخ :

١٤ / ٢ / ١٤٢٩

٢٢

Kingdom of Saudi Arabia
Royal Commission for Jubail and Yanbu
Directorate General at Yanbu
Technical Affairs Division

المملكة العربية السعودية
الهيئة الملكية للجبيل وينبع
الإدارة العامة للهيئة الملكية بينبع
قطاع الشؤون الفنية

Environmental Permit to Operate

تصريح بيئي للتشغيل

This Environmental Permit is issued to :

تم إصدار هذا الترخيص البيئي إلى:

ASK GYPSUM FACTORY

مصنع اسك للجبيل

YANBU AL-SINAIYAH

بلح الصفاحية

under the authority of the Royal Commission for Jubail and Yanbu, and authorizes operation of the facility cited above in accordance with the general conditions, limitations, and other requirements of the environmental regulations of the Royal Commission for Jubail and Yanbu and the laws of the Kingdom of Saudi Arabia.

ان الهيئة الملكية للجبيل وينبع بمألفها من صلاحيات نصرت بموجب الفصل في اللوائح المذكور أعلاه طبقا للشروط العامة والقيود والتطلبات الأخرى من المتطلبات البيئية الخاصة بالهيئة الملكية للجبيل وينبع وذلك لتس عملها نظم وقوانين المملكة العربية السعودية.

Facility I.D No. 77

المرق رقم : ٧٧

Certificate No. 2-77-0710

رقم الشهادة : ٧٧٠٧٧٠٢

Effective Date 14 July 2010

تاريخ بدء السريان : ١٤ يوليو ٢٠١٠

Expiry Date 13 July 2015

تاريخ انتهاء التصريح : ١٣ يوليو ٢٠١٥

Area 26,180 m2

المساحة : ٢٦١٨٠ متر مربع

Location A 15-LIP Area

قطعة | ١٥ - منطقة الصفاحية الخفيفة



General Manager for Technical Affairs

مدير عام الشؤون الفنية

م / توفيق بن يوسف رشيد

Date

التاريخ

١٤٧١ - ٨ - ١



الرقم: ٤٧٠٠٠٠٩٤٤٠
التاريخ: ١٤٣٧/٠١/٢٧

شركة تسجيل شركة

المملكة العربية السعودية
وزارة التجارة والصناعة

الإسم التجاري للشركة: شركة مصنع أسك للجبس المحدودة
نوعها: ذات مسؤولية محدودة مختلطة

مدة الشركة: ٩٩ سنة
مركزها الرئيسي: ينيع الصناعية - منطقة الصناعات الخفيفة

ص.ب: ٣١٣٨١
النشاط: إنتاج الجبس ومشتقاته و اللواج الجبسية بموجب تراخيص هيئة الاستثمار رقم
(٢٧٦٥٩) وتاريخ ٠٧/٠٩/١٤٣٦هـ. ع.ع.ع.

جنسيتها:

سعودية

تبدأ من: ١٤٣٧/٠١/٢٧

وتنتهي في: ١٥٣٦/٠١/٢٦

٣٩٦٣٣٣٣

فاكس:

٣٩٦٣٣٣٣

هاتف: ٣٩٦٣٣٣٣

تلکس:

رأس المال: ٢٠٠٠٠٠٠٠٠٠٠٠٠ ريال سعودي
المديرون:
١- شارل جوزيف الخوري
٢-
٣-
٥-
٧-
٩-
١١-
سلطات المدير / المديرون
حسب ما نص عليه عقد الشركة

يشهد مكتب السجل التجاري بمدينة
وتنتهي صلاحية الشهادة في ١٤٣٤/٠١/٢٥ بموجب الإحصاء رقم ٠٠٣٤٨٦٠٧
١٤٣٧/٠١/٢٩ وتاريخ: ٠٠٣٤٨٦٠٧
مدير السجل التجاري: الاسم: راشد عيث السليبي
التوقيع: الشيخ





الغرفة التجارية الصناعية بملافاظة ينبع
Yanbu Chamber Of Commerce & Industry
إدارة لشؤون المتسببين

رقم العضوية : ١١٦٤٩٠
تاريخ الإصدار : ١٤٣٣/٠١/٠١
الدرجة : الأولى

تاريخ الإستراك : ١٤٢٧/٠١/٢٧

شركة مصنع اسك للجبس

مسجل لديها لهذا العام

٤٧٠٠٠٠٩٤٤٠

رقم السجل التجاري / الترخيص

توقيع المسئول

وينتهي سريان هذه الشهادة بنهاية ذي الحجة من العام ١٤٣٣ هـ

طلال بن داخيل الرفاعي



ينبع من ب ٥٨ هاتف : ٣٢٢٧٧٢٢ - ٣٩١٦٢٥٠ فاكس : ٣٩١٣٦٠٢ - ٣٢٢٢٤٢٥٨ - ٣٢٢٦٨٠٠ ينبع الصناعية من ب ٣٠١٩٣ هاتف : ٣٩٣٣١١٧ فاكس : ٣٩١١٤٧٩ - بندر من ب ٥٩ هاتف : ٣٢٢٠٩٩٨ - ٣٢٢١٠٠٦ فاكس : ٣٢٢١٠٠٦
موقع الغرفة : www.Yanbu chamber.Org البريد الإلكتروني: Ycci@Yanbuchamber.org



الغرفة التجارية الصناعية
بنبع

بنبع
١٣٤٣هـ

الغرفة التجارية الصناعية بمحافظة ينبع
Yanbu Chamber Of Commerce & Industry
إدارة شؤون المتكسبين

رقم العضوية : ١١٦٤٩٠
تاريخ الإصدار : ١٤٣٣/٠١/٠١
الدرجة : الأولى

تاريخ الإستراك : ١٤٢٧/٠١/٢٧

شركة مصنع اسك للجبس

مسجل لديها لهذا العام

رقم السجل التجاري / الترخيص

توقيع المسئول

طلال بن داثل الوفايحي



٣٢٢١٠٠٦ فاكس ٣٣٢٠٩٩٨ هاتف ٣٩٣٣١١٧ فاكس ٣٩٣٣١١٧ هاتف ٣٠١٩٣ بنبع الصناعية بنبع ٣٢٢٤٢٥٨-٣٢٢٦٨٠-٣٩١٣٦٠٢-٣٩١٣٦٠٢ فاكس ٣٩١٦٢٥٠-٣٢٢٧٧٢٢٤ هاتف ٥٨ ص ب ٥٩ فاكس ٣٣٢٠٩٩٨
البريد الإلكتروني: Yccci@Yanbuchamber.org

www.Yanbu chamber.Org



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Build Natural

SUSTAINABLE MATERIAL DATASHEET

LEED: Leadership in Energy and Environmental Design

GBOARD provides the following information for use in selecting materials to achieve LEED certification credits.

Gypsum board credits which may apply to specific construction projects under LEED project designation area as follows:

MR CREDIT 4.1, 5.1, 5.2

EQ CREDIT 4.1

It is the responsibility of the design professional to assess the applicability of specific credits to the project.

GBOARD GREEN FACTS:

* Recycled Paper: Our gypsum board is made with 100% recycled paper supplied by reputable paper mills.

Cardboard Recycled Content

Post Consumer Content %	Pre Consumer Content %	Total Recycled Content %	Raw Material Extraction Location
88	12	100	EU

* Raw Gypsum: the raw gypsum used in our manufacturing process is extracted from 100% natural resources, using environmentally conscious techniques.

* Energy Savings: Our raw gypsum is mined from our own quarry located in Yanbu, saving millions of gallons of fossil fuel (and associated emissions) otherwise used to transport via truck or ocean cargo.

* Volatile Organic Content: Gboard finished products have no reportable VOC Contents.

Gypsum Board Recycled Content:

GBOARD Gypsum Manufacturing Plant Location	Post Consumer Content %	Pre Consumer Content %	Total Recycled Content %	Raw Material Extraction Location
Yanbu, Light Industrial Area	1	3	4	Yanbu

FLEXURAL STRENGTH OF WATER-RESISTANT GYPSUM WALLBOARD
TEST REPORT

Client	Gboard (ASK GYPSUM FACTORY LTD.)	Report Date	14 June 2010
Project	ASK, Gypsum Factory, LIP, Yanbu Al-Sinaiyah	Job No.	SA10-9585
Material Description	Gypsum Wallboard	Lab No.	10634
Test Method	ASTM C-473-07	Sample Received by FSL	25 May 2010
Product Description	Water-Resistant Gypsum Wallboard	Sampled by	ASK GYPSUM

FSL has performed standard testing on samples of gypsum wallboard to determine the flexural strength. The testing was carried out by supporting the specimen near the ends and applying a transverse load midway between the supports at a uniform rate. The test results and pertinent information are as follows:

1. DIMENSION OF FULL-SIZE GYPSUM WALLBOARD

Specified Dimensions (mm) (Nominal)	Measured Dimensions (mm) (Average)	Permissible Tolerances (mm) (ASTM C-1396 Requirements)
Length : 2400	2400	-
Width : 1200	1200	- 3
Thickness : 12.5	12.5	± 0.4

2. FLEXURAL STRENGTH (Method A-Constant Rate of Loading)

(Bearing Edges Parallel to Panel Length)	Breaking Load (N)	ASTM C-1396-06 Specification Requirements
Test Specimens		
S-1	490	
S-1	540	
S-3	500	
S-4	550	
Average Value	520	489 (Minimum)

3. FLEXURAL STRENGTH (Method A-Constant Rate of Loading)

(Bearing Edges Perpendicular to Panel Length)	Breaking Load (N)	ASTM C-1396-06 Specification Requirements
Test Specimens		
S-1	220	
S-1	230	
S-3	230	
S-4	240	
Average Value	230	178 (Minimum)

Note: ASTM C-1396 "Standard Specification for Gypsum Wallboard"

Remarks: The test results indicated conformance to the ASTM C-1396-06 specification requirement for the flexural strength.



Signature

FUGRO-SUHAIMI LTD.

Test Report

- Translation -

Dokument No.: (1032/364/11) – Hir d.d. 05/12/2011

Client: ASK Gypsum Factory Ltd.
Jeddah Office
Prince Faysal Bin Fahd Street
- JEDDAH

Order date: 04/13/2011

Order Ref.: Ms Labban, Mr Majeed

Order received: 04/13/2011

Subject: Testing acc. ASTM C 1396

Test basis: ASTM C 473-10 – Standard Test Methods for Physical
Testing of Gypsum Panel Products

Test material received: 05/03/2011

Sampling: By client,
preparation (cutting) 150 mm x 150 mm by client
drilling of pilot hole by MPA

Test material marking: By MPA Braunschweig, samples 1 to 5
Board type: **Gboard Regular**

Test date: 05/09/2011

Validity: Unlimited



This Test Report contains 2 pages including cover sheet and 1 annexes.

This document is the translated version of Test Report (1032/364/11) – Hir d.d. 05/12/2011 .
The legally binding text is the aforementioned German Test Report.

This Test Report may not be circulated unless as a complete text without any alterations. Excerpts and abridged versions of this document are subject to approval in writing of MPA Braunschweig. Translations of this document that are made without the approval of the Testing House must bear the note "translation of the German original not examined by the Materials Testing Institute". The first sheet of this document and the page carrying the signatures bear the official stamp of MPA Braunschweig. Documents that do not carry a signature and the official stamp are invalid. The test material has been fully used. Accreditations are valid for the testing methods specified in the current documents. A list showing fields for which accreditation has been obtained can be made available upon request.

Materialprüfanstalt (MPA)
für das Bauwesen
Beethovenstraße 52
D-38106 Braunschweig

Phone
Fax +49 (0)531-391-5900
info@mpa-tu-bs.de
www.mpa-tu-bs.de

Norddeutsche LB Hannover
106 020 050 bank code 250 500 00
Swift Code NOLADE 2H
VAT ID No. DE183500654
Tax Reg. No. 14/201/22859

Notified body (0761-CPD)
MPA Braunschweig has been approved and notified as a
civil engineering supervisory, inspection and certification
body. MPA Braunschweig has been ISO/IEC 17025
accredited as a testing and calibration laboratory and

1 Background

The ASK Gypsum Factory Ltd. from Jeddah/Saudi-Arabia commissioned the Braunschweig Civil Engineering testing institute (MPA) to carry out nail pull resistance tests on gypsum plaster boards acc. to ASTM C 473-10, Method B.

2 Test material

The test material consists of 5 samples of gypsum plaster boards of 150 mm x 150 mm x 12.5 mm. The specimen were prepared by the client. There was no further labelling (type of plasterboard) on the specimen. According to the client the type of the plasterboard is: **Gboard Regular**.

The test material was damaged due to the transport, s. annex 2. In our opinion, these damages do not influence the test results.

Staff members of the MPA Braunschweig drilled the pilote holes acc. ASTM C 473-10, method B. Afterwards the specimens were conditioned to constant weight, s. Table 1.

3 Test results

Tests were carried out acc. ASTM C 473-10, Method B, using a servomechanical testing machine, s. Fig. A- 1. The load was applied on the front view of the samples. All test results including the statistical evaluation are printed in Table 1.

4 Summary

The MPA Braunschweig carried out nail pull resistance tests on gypsum plasterboards for the ASK Gulf Gypsum from Jeddah/Saudi-Arabia. Tests results are shown in Table 1. The tested specimen fulfill the requirement acc. ASTM C 1396.

Braunschweig, d.d.12.05.2011

The director of the testing laboratory

Dr.-Ing. A.-W. Gutsch



The supervisor

i.A.

Dipl.-Ing. S. Hirschfeld

Schalldämm-Maß ISO 140-3:1995

Messung der Luftschalldämmung von Bauteilen im Prüfstand

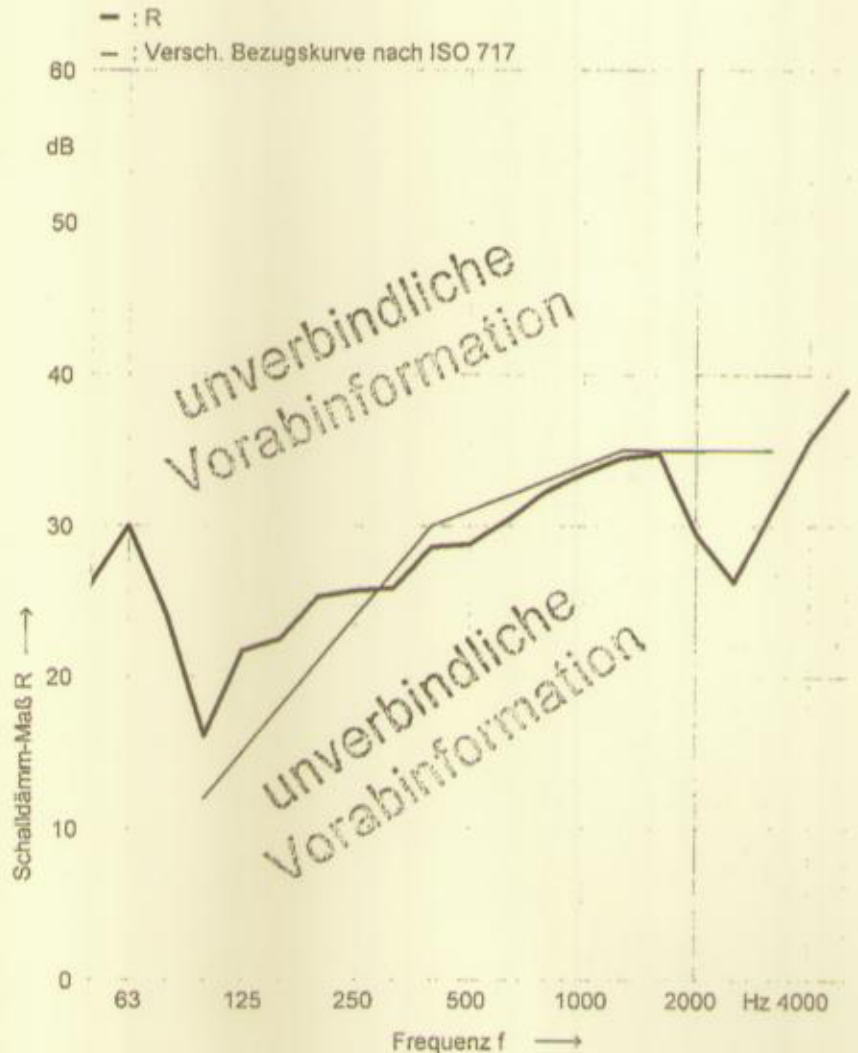
Hersteller: gboard
 Auftraggeber: ASK Gypsum Factory
 Prüfgegenstand eingebaut von: MPA BS
 Aufbau des Prüfgegenstandes:
 Gboard 1200 mm x 1480 mm x 12,5 mm,

Produktbezeichnung: Char.-Nr. 08/03/11 14:12:49
 Kennz. der Prüfräume: Prüfstand 6 / Prüfstand 5
 Prüfdatum: 06.10.2011



Prüffläche: 1,9 m²
 Flächenbezogene Masse: kg/m²
 Temperatur [°C]: 53,1
 Feuchtigkeit [%]: 19,2
 Senderraum Volumen: 102,0 m³
 Empfangsraum Volumen: 124,5 m³

Frequenz [Hz]	R Terz [dB]
50	26,2
63	30,0
80	24,1
100	16,1
125	21,7
160	22,5
200	25,3
250	25,7
315	25,9
400	28,6
500	28,8
630	30,4
800	32,3
1000	33,5
1250	34,5
1600	34,8
2000	29,5
2500	26,3
3150	31,0
4000	35,7
5000	39,0



Bewertung nach ISO 717-1
 $R_w(C, C_T) = 31 (-1; -2) \text{ dB}$

$C_{50-3150} = -1 \text{ dB}$
 $C_{125-3150} = -2 \text{ dB}$

$C_{50-5000} = 0 \text{ dB}$
 $C_{125-5000} = -2 \text{ dB}$

$C_{100-5000} = 0 \text{ dB}$
 $C_{125-5000} = -2 \text{ dB}$

Die Ermittlung basiert auf Prüfstands-Messergebnissen, die in Terzbändern gewonnen wurden.

MPA BS

Auftragsnummer:
 BS, 6.10.2011



Materialprüfanstalt
 für das Bauwesen
 Beethovenstraße 52
 D-38106 Braunschweig

Unterschrift:

18690
 i.A. Walden

Sample Attached

12

Proj. No.: S08087 Princess Noura Bint Abdulrahman University	 Ministry of Finance -KSA	Submittal MAT/P1/AR/8426 REV No: 00
ENGINEER : dar al-handasah shar and partners	CONTRACTOR : Saudi Oger	Date 28/Sep/2011

Submittal for Approval of Materials ✓

1. Material description (one item only on this form) :
 Product data: Gboard Gypsum Board (ASK Gypsum Factory Ltd.)
 w/samples, data sheets & test reports

Building Name : 30.0.0 General	Zone : General
Item Ref.No :	B.O.Q. Ref. No. :
Specification Ref. : 09255.1.6.A	Standards : as per specification

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. Manufacturer / supplier

Company Name : Gboard ASK Gypsum Factory Ltd.
 Address : P.O. 31381, Yanbu Al Sinayah 51000, KSA
 Local Agent : Mobile: 0553626676, Tel. : +96

3. Delivery :

Country of origin : Kingdom of Saudi Arabia

Availability
 Locally Manufactured Overseas

Delivery	Ex-works/ total duration	[]	
	Estimated time of arrival on site	[]	
Program	Date material required on site	[]	
	Latest date for order	[]	

We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in conformity with the above and deliver same timely.

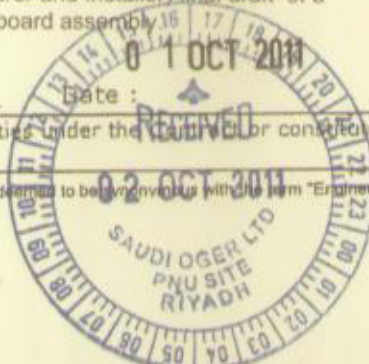
Submitted by Stephane Chanteloux Signature _____

4. Engineer's Representative comments:

Reference Specs:
 Gypsum Wallboard [09 255-2.4B] ASTM C 36
 Gypsum Board Base [09 255-2.4C] ASTM C 36
 Water-Resistant Gypsum Backing Board [09 255-2.4D] ASTM C 630: **minimum thickness for this type shall be 16mm.**
 Approved material on condition complying with the ASTM indicated standard (minimum) requirements, including **tapered and featured (round) edges** condition stipulated in 09 255-2.4B.4
 The Contractor shall provide and install the required **trim accessories** [09 255- 2.6] as indicated in [09 255-3.8] and shown in the design and approved shop drawings and taking into consideration the thickness of the board.
Special Assembly Warranty: Provide (Manufacturer and Installer) final draft of a 10 years duration warranty for the whole gypsum board assembly

Signature _____ Date : _____	<input type="checkbox"/> Approved <input checked="" type="checkbox"/> Approved as noted <input type="checkbox"/> Revise and resubmit <input type="checkbox"/> Rejected <input type="checkbox"/> Sample required <input type="checkbox"/> Tests required <input checked="" type="checkbox"/> Additional information required <i>detail of assembly</i> <input checked="" type="checkbox"/> Manufacturer's guarantee required <i>final draft</i>
---------------------------------	---

Approval shall not relieve contractor of his liabilities under the contract or constitute authorization of any change to Contract Documents.



29

Project هيئة السوق المالية Capital Market Authority	Consultant 	Project Manager 	Contractor مجموعة بن لادن السعودية SAUDI BINLADIN GROUP Architecture & Build Const. Div.
--	-----------------------	----------------------------	--

MATERIAL SUBMITTAL

Ref. No. :	SBG CMA DMAR 344 11	Date :	1 1 0 6 1 1	<input checked="" type="checkbox"/> New Submittal <input type="checkbox"/> Resubmittal
------------	---------------------	--------	-------------	---

<input checked="" type="checkbox"/> Architectural <input type="checkbox"/> Structural	Electrical Mechanical	<input type="checkbox"/> Civil <input type="checkbox"/> Interior Design	<input type="checkbox"/> Furniture/Equipment Others	Specs. No. Drwg. No.	09 21 16 A 9102
--	--------------------------	--	--	-------------------------	--------------------

Description*	Manufacturer	Supplier	No. of Catalogue/Sample	Code
Find enclosed 5 hard copies and 3 C.D's of : GYPSUM BOARD FULL SYSTEM INCLUDE:			5	B
1. GYPSUM DRAYWALL BOARD	G Board		3	
2. FRAMING AND SUPPORT SYSTEMS	A-METAL			
3. JOINT TAPE, COMPOUND.	A-METAL			
For your kind review and approval.				

* Description: (Manufacture, Model, Type, Size, Colour, etc.)

<input checked="" type="checkbox"/> Catalogue	<input type="checkbox"/> Drawing	<input checked="" type="checkbox"/> Sample	<input checked="" type="checkbox"/> Certificate	<input checked="" type="checkbox"/> Calculation	<input checked="" type="checkbox"/> Document
---	----------------------------------	--	---	---	--

Having checked this submittal, we certify that it conforms to the requirements of the Contract Documents in all respects, except as otherwise indicated herein (

Material Engineer/Name & Signature : _____ Project Manager/Name & Signature : _____

Received by: _____ Date: _____ Name & Signature of Consultant: _____

RECEIVED
 11 JUN 2011

Remarks / Comments:

ARCH.

SEE COMMENTS ON ATTACHED SHEET.

Status	<input type="checkbox"/> A Approved <input checked="" type="checkbox"/> B Approved as noted <input type="checkbox"/> C Approved as noted, resubmit <input type="checkbox"/> D Disapproved	<input type="checkbox"/> N No Action
--------	--	--------------------------------------

HOK/Omrania JV Site Office		HOK/O&A (JV) Head Office		CLIENT's APPROVAL	
Engineer June 13/2011	Project Manager 13/06/2011	 13/6	Capital Market Authority (CMA) 		
Date	Name & Signature	Date	Name & Signature	Date	Name & Signature



CMA TOWER PROJECT
RIYADH

هيئة السوق المالية
Capital Market Authority



DOCUMENT REVIEW FORM

Submittal Type:	Pre Qualification & Material submittal	Submittal Date: 11-06-2011
Submittal Ref. No:	SBG-CMA-DM-AR-344	Revision: 0
Submittal Title:	Gypsum Board Full System (GWB + Framing & support system)	

Review/Comments:

- a) Prequalification of "A-Metal" is approved as Manufacture of Gypsum Board & Framing & Support Systems.
- b) Gypsum Boards:
1. It is the contractor's responsibility to ensure this material is compatible with LEED requirements of CMAT (MR4.1, MR4.2, and MR5.1 & MR 5.2).
 2. Fire resistance & moisture /fire resistance GWB to be labeled for recognition purposes on site.
 3. Minimum thickness of GWB to be "12.5" mm (No. 9.5 mm) thick is required.
 4. Contractor to comply with the Project Specs. issued on July15, 2010, Item ""0921 16-4 Clause # 3.3-3.9" for site installation.
 5. Shop drawings of GWB yet to be submitted for review & approval prior to site installation.
- c) Framing & Support System:
1. It is the Contractor's Responsibility to ensure this Material is compatible with LEED Requirements of CMAT "MR 401, MR4.2, MR 5.1 & MR 5.2
 2. All sizes of the Support System to comply with wall Assembly details in 'CD' Drawing # A9102 Rev.5
 3. Comply with Clause 3.3, 3.4, 3.5, 3.6, 3.7, 3.8 & 3.9 in Specs. # 092116 for walls of ceilings Installation on site.
 4. Use 20-Gauge studs for Fire-Resistant or abuse-resistant Gypsum Boards.

Result of Review : Status B

Signature:

Osama Kandrew

Date:

June 13/2011



مشروع مركز إيواء الطوارئ بالشمسي
Emergency Lodging Center Project - Shumaisi

CONTRACTOR : **مجموعة بنين لادبيل السعودية**
SAUDI BINIADIN GROUP
PUBLIC BUILDINGS & AIRPORTS

SUPERVISING CONSULTANT : **الانطلاق**
AL ETQUAN CONSULTANT OFFICE

الإشراف :
مكتب الإنطلاق للاستشارات الهندسية

التقديم :

من : مجموعة بنين لادبيل السعودية

رقم التقييم : 1129-Z-1125.1
التقديم السابق :
التاريخ : 08-Jun-11
تاريخ الرجوع :

إشاعي مئي ميثاقه تقييم
معماري لغوي كهرباء رموزك تشغيلية
لإعادة لاجراء الترخيم للمراجعة والملاحظات للملف عيالك
الفرض :

رقم التقييم	اسم وتوقيع ممثل المقاول	ملاحظات	ملاحظات العميل	ملاحظات	ملاحظات العميل	رقم المخطط	نوع المراجع	لرؤية الاخذ (الاستشاري)
1	ابوب احمد التوفيق	GYPJUM BOARD 1. Gboard Regular 2. Gboard Impact Resistant 3. Gboard Fire Resistant 4. Gboard Water Resistant 5. Gboard Water & Fire Resistant Attachments: Company Profile + Catalogue + Samples + Comments Mfg/Supplier: M/s ASK Gypsum Factory (Gboard)	3+3 first submitted	ملاحظات العميل	ملاحظات العميل			

ب
للصنع (صنع أسلحة البلاط المصنوع)
والمنتجات (منتجات الصنع)



ملاحظات العميل

مدير المشروع : ابوب احمد التوفيق

مدير المشروع : ملاحم ملاحم

ملاحظات مستندوب الوزارة

ملاحظات مستندوب الإستشاري

ملاحظة - المصنفات حسب نوع المواد المستخدمة في المشروع (3D) - المصنفات حسب نوع المواد المستخدمة في المشروع (3D) - المصنفات حسب نوع المواد المستخدمة في المشروع (3D)

رقم التقييم مع إعادة التقديم (B) معتمدة حسب الملاحظات مع إعادة التقديم (C) معتمدة حسب الملاحظات مع إعادة التقديم (D) معتمدة حسب الملاحظات مع إعادة التقديم (E)



Build Natural

COMMITMENT TO ENVIROMENT

Gboard is proud of its commitment to environmental standards and to green building practices.

We are committed to this environmental responsibility; we work diligently to minimize any negative impact on our surroundings, by minimizing the natural resource base of our gypsum board manufacturing process.

As part of our solid commitment, we comply with the standards of LEED sustainable materials programs as promoted by the U.S. Green Building Council (USGBC).

Gboard are successfully used in the construction of sustainable building projects around the country, while effectively looking into achieving important LEED points.

If the project is located within 500 miles of our manufacturing facility, additional credits may contribute to LEED projects.

The following certificates contain information applicable about Gypsums product manufactured by GBOARD.

Regards.





Build Natural

MILEAGE REFERENCE MAP FOR GBOARD

We, ASK Gypsum Factory, certify that our product, GBOARD, is extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation

Below is a map showing a 500 mile radius from our four gypsum board manufacturing facilities producing product with high levels of recycled and reclaimed content that can contribute toward **LEED CREDIT MR 5**.



REQUEST FOR TECHNICAL APPROVAL

CONTRACTOR: SAUDI BINLADIN GROUP (ABCO) P.O. BOX # 3104, JEDDAH - 21471, K.S.A. DATE: 3-FEB-2011 DAY MONTH YEAR

TO: Mr. Tawfiq Al-Abdul Nadi
 SENIOR PROJECT ENGINEER
 SAFCO (P) SFC Bldg 7th Unit
 Dhahran 31331, K.S.A.
 SAUDI ARAMCO

ATTN: PROJECT ENGINEER

CONTRACT NO: 60600019098,60600019099,60600019140,
 60600019141,60600019142

J.O. NO:

PROJECT TITLE: KING ABDULLAH UNIVERSITY FOR
 SCIENCE & TECHNOLOGY
 THURWAL

LOCATION:

REFERENCE SUBMITTAL NO: NEW SUBMITTAL
 RESUBMITTAL
05 20 40-22

NO OF COPIES: 03

NO OF COPIES TO LIVE ITEM NO: A ARCHITECTURAL
 C CIVIL
 S STRUCTURAL
 M MECHANICAL
 E ELECTRICAL
 O OTHERS

DIVISION NO: NA

SPECS SECTION NO: NA

FOR SAUDI ARAMCO USE ONLY
 COMMENTS:

ITEM NO	DESCRIPTION	MANUFACTURER VENDOR	CATALOG SPECS PARAGRAPH OR DRAWING NUMBER	FOR SAUDI ARAMCO USE ONLY COMMENTS
1	ASK GYPSUM FACTORY LTD. COMPANY PROFILE (ASK GYPSUM FAC. LTD) A) GYPSUM BOARD B) PLASTER BOARD APPLICABLE AT ZONE 1 TO 8	AAABAH ROOTS JEDDAH, KSA VENDOR #10031400	PROFILE	1. NO OBJECTION FOR ASK GYPSUM FACTORY LTD. TO FOLLOW THE FOLLOWING REQUIREMENT * 12.5 MM THK FOR CEILING * 16 MM THK FOR WALLS * TYPE RG FOR NORMAL USE * TYPE FR FOR WET AREAS * TYPE FR FOR FIRE RESISTANT * TYPE FR AND FR FOR BOTH FIRE RESISTANT & WET AREAS

FOR YOUR REVIEW AND APPROVAL

These documents have been reviewed by general contractor with the Contract. Such review does not release the Contractor of his responsibilities under the terms of the Contract nor allows additional compensation.

NO OBJECTION NO OBJECTION AS NOTED CORRECT & RESUBMIT REJECTED

SUBMITTED BY: *Amr*
 Eng. Ashraf Shaafiq
 Date: 05/02/2011

Name & Signature of Contractor Representative: *[Signature]*
 Date: 05/02/2011

Name & Signature of SAUDI ARAMCO Representative: *[Signature]*
 Date: 05/02/2011

Mr. Tawfiq Al-Abdul Nadi
 Phone: 882-6409; Fax: 882-6334
 Approved Materials delivered to site:
 SAUDI ARAMCO Site No: _____

me



Build Natural

ASK Gypsum Factory Ltd.

P.O. Box: 31381 Yanbu
Al Sinyah 51000 - KSA
Tel: 00966 2 613 0000
Fax: (Jeddah) Ext: 101
Fax: (Yanbu) Ext: 102
info@gboard-sa.com

www.gboard-sa.com



Build Natural



In compliance with international Standards

99.9 % Natural Product

Gypsum, A Noble Product

Gypsum has been present in construction since ancient times. Archaeologists in Anatolia - Turkey - have found vestiges of gypsum on walls dating back to 9,000 B.C, as well as traces of gypsum monuments and statues in Egypt and Greece going back to long gone eras. This material was also discovered by the Islamic civilization, which used it to sculpt delicate arabesques and to decorate the interior of mosques and palaces.



الجبس، مادة عصرية ذات تاريخ

يعود استخدام الجبس في البناء إلى العصور القديمة. فقد عثر علماء الآثار في أنطوليا - تركيا - على بقايا من الجبس على جدران تعود إلى ٩٠٠٠ سنة قبل الميلاد . كما عثر على آثار تمثال ومعابد من الجبس في مصر واليونان تعود إلى العصر القديم . وقد اكتشفت الحضارة الإسلامية أيضاً هذه المادة في العصور الوسطى، فاستخدمتها لنحت الزخرفات العربية الدقيقة ولتزيين داخلية المساجد والقصور .

Today

In a world that has rediscovered the importance of gypsum in construction, ASK Gypsum factory saw the light. Established in 2005, the Company came to produce the highest quality of gypsum powder, by utilizing natural gypsum found in its own mines, and by using some of the most advanced equipment and machinery available.

To keep up with the growing demand in the Middle East in general and the GCC in particular, a separate facility for the production of gypsum boards was established, bearing the name of the product: Gboard. This 75,000 sqm facility produces over 20 million sqm of gypsum boards per year, and is further expanding to reach 50 million sqm by 2012.



اليوم

مع فهم المصممين أكثر لأهمية الجبس في البناء، تأسست شركة "اسك للجبس المحدودة" ونجحت في فترة قصيرة بعد تأسيسها عام ٢٠٠٥، في تصنيع أجود أنواع البودرة باستخدام الجبس الطبيعي المستخرج من مقالعها الخاصة، وباستعمال أحدث الآلات والوسائل التكنولوجية وأكثرها تطوراً.

لمواكبة الطلب المتزايد في منطقة الشرق الأوسط عموماً ودول مجلس تعاون الخليج خصوصاً، تم تأسيس منشآت خاصة بصناعة ألواح الجبس، تحت اسم "جي بورد". وتنتج هذه المنشآت البالغة مساحتها ٧٥ ألف متر مربع، أكثر من ٢٠ مليون متر مربع من ألواح الجبس سنوياً، وهي قيد التوسع لتبلغ إنتاجيتها ٥٠ مليون متر مربع بحلول العام ٢٠١٢.

Pioneers by Excellence

For us, leadership goes beyond meeting client's expectations. It is rather exceeding them by offering exceptional service, innovative solutions and quality products at the best value. This is what makes us a reference in reliability and economy, and a key player in the industry with an ever increasing market share.

ريادة بامتياز

بالنسبة إلينا، الريادة لا تقتصر على تلبية توقعات العميل بل تستلزم تخطيها بتأمين خدمة استثنائية وحلول مبتكرة ومنتجات عالية الجودة بأفضل أسعار . هذا ما يجعلنا المرجع في الموثوقية والكفاءة، ولأعباً أساسياً في مجال البناء تتزايد حصته من السوق باستمرار .



Experience Meets Innovation

Gboard is one of the largest suppliers of gypsum products in the Gulf and the Region, and has brought to the Kingdom of Saudi Arabia more than 50 years of experience in the industry.

الخبرة تلاقى الابتكار

تُعد "جي بورد" واحدة من أكبر الشركات المصنعة للألواح الجبس في الخليج والمنطقة، ومن أكثرها عراقية، فقد نقلت إلى المملكة العربية السعودية أكثر من 50 عاماً من الخبرة في هذا المجال .

It does so with the help of an expert team of 355 individuals with the highest competencies and skills. Research and development departments constantly search for the latest techniques and innovations to produce the highest quality and most cost effective product. Even so, it is relentlessly committed to continuous technological development and diversification for the improvement of its products and service performance.



ومع ذلك، هي حريصة على تحديث وسائلها التكنولوجية باستمرار وتنوع مواردها التقنية بهدف تحسين منتجاتها وخدماتها. تحقيقاً لذلك، يعمل لدى الشركة فريق متكامل من ٣٥٥ عنصراً يتمتعون بأهم الخبرات والكفاءات والمهارات. ويواظب قسم الأبحاث والتطوير على دراسة آخر التقنيات وأهم الابتكارات وأفضل الحلول الإنتاجية لضمان أعلى مستوى من الجودة .



إحترام البيئة في كل النواحي

اهتماماً منا بالبيئة وبالتوجه العالمي نحو ترشيد الطاقة، تستخدم "جي بورد" أكثر الوسائل الصديقة للبيئة في عملياتها الانتاجية. يتم استخراج الجبس الخام من مصادر طبيعية 100% باستخدام تقنيات "خضراء" تحد من الغبار تخفف من الملوثات وتحافظ على الطاقة والمياه.

هذا الاستخدام المثالي للموارد الطبيعية، بالإضافة إلى التطور التكنولوجي المستمر، قد ساعد "جي بورد" على تصدر المنافسة كشركة تواظب على تطوير منتجاتها وتؤمن لربائنها منتجات لا تضاهى من حيث النوعية والكلفة.



Green By All Means

With the environment in mind and the conservation of energy as a shared concern, Gboard applies the most eco-friendly methods in its production processes. Raw gypsum is extracted from 100% natural resources, using environmentally conscious techniques - dust minimization, waste diminution, and conservation of energy and water - are only a few examples. This optimized utilization of natural resources, combined with cutting-edge technologies, has helped Gboard remain ahead of competition as a Company that continuously develops its products and provides benchmark quality at effective value for consumers.

"لبناء طبيعي"

الألواح الجبسية هي التسمية الشائعة لمجموعة من المنتجات ذات الجوف غير القابل للاشتعال، يتشكل من الجبس بشكل رئيسي، تغلفه طبقات ورقية من الجهتين والجوانب. وتتميز هذه الألواح عن المنتجات الأخرى مثل الخشب المضغوط والألواح الصلبة، بميزاتها العازلة ومقاومتها للحريق. وتشكل ألواح "جي بورد" أساساً لجدران جميلة، لأنه يسهل العمل بها، وتمنح الجدران والأسطح مظهراً ناعماً ومتناسقاً. ويتم تصنيع ألواح "جي بورد" بمختلف المقاسات والأنواع، لتكون فعالة ومعقولة الكلفة في صناعة البناء وإعادة التصميم.

جميع منتجات "جي بورد" مصنوعة من الجبس العلي الجودة، وهي طبيعية بنسبة 99.9% وهذا يجعلها متينة وسهلة القص والتحكم.

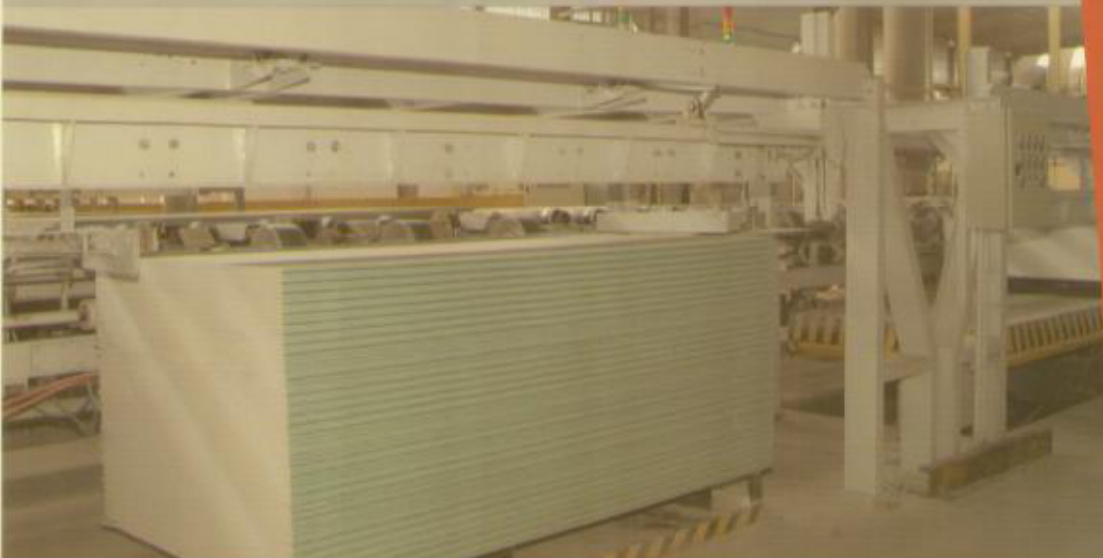


Build Natural

Gypsum board is the generic name for a family of panel shaped products consisting of a noncombustible core, primarily made of gypsum, lined with a paper surface on the front, back and sides. Gypsum board is often called drywall, wallboard or plasterboard and differs from products such as plywood, hardboard, and fiberboard, because of its fire resistant core.

Gboard is the foundation for beautiful walls, that's because it offers an easy to work with, smooth, consistent surface. Manufactured in a range of dimensions and types, it is an efficient, affordable, light-weight material for both remodeling and new constructions.

All boards are manufactured from the highest quality gypsum, and are 99.9% natural, making them light, strong, and easy to cut and handle. Special additives give the boards their distinctive characteristics.



One Product, Multiple Advantages

Known to make homes weather resistant, energy efficient, and easier to remodel, Gypsum has become an essential element for building interiors. It is also used to add strength to the interior walls of facilities, and has insulation qualities that enhance living and working conditions.

Gboard offers the full spectrum of gypsum boards, from standard boards for general use, to boards fire and water resistant .

To further improve these types, Gboard introduced impact-resistant boards, used in schools, hospitals and public facilities to reinforce walls that are subject to collision and pressure.

منتج واحد، منافع متعددة

المعروف عن ألواح الجبس أنها عازلة جيدة تجعل البناء أقل تأثراً بالطقس وتخفف استهلاكه من الطاقة، و تسهل على أصحاب المنازل إعادة تصميمها من الداخل . كما تتميز بعزلها للصوت وتحسين بيئة العيش والعمل، هذا ما يجعلها جزءاً لا يتجزأ من مقومات البناء .

وتقدم "جي بورد" جميع أنواع الألواح الجبسية، من العادية للاستخدام العام، إلى الألواح المقاومة للحرائق والرطوبة بهدف تطوير منتجاتها، ابتكرت "جي بورد" الألواح المقاومة للصدمات، المستخدمة في المدارس والمستشفيات والمنشآت العامة حيث تكون الجدران عرضة للضغط أو الاصطدامات المفاجئة .



Gboard Types and Specifications

Gboard offers the full spectrum of gypsum boards to complete any dry partitioning project, regardless of scale. Our quality range includes standard boards for general use, as well as a comprehensive selection of high performance boards, with specific characteristics that include :

- Fire resistance
- Water resistance
- Impact resistance
- Control of water vapor
- Sound reduction
- Thermal insulation

ألواح "جي بورد": أنواعها ومواصفاتها

تضم "جي بورد" مجموعة شاملة من الألواح العالية الأداء لتشييد اي نوع من انشاءات التقطيع الداخلي للجدران أو السقوف مهما كانت المساحة. وتشمل مجموعة "جي بورد" مجموعة خاصة من الألواح العالية الأداء ذات مواصفات محددة أهمها :

- مقاومة الحرائق
- مقاومة الرطوبة
- مقاومة الصدمات
- التحكم ببخار المياه
- عزل الصوت
- العزل الحراري



02

RG Regular - Gboard: Suits a wide range of applications for both residential and non-residential buildings.

WR Water Resistant - Gboard: Suitable for use in internal wet and high humidity areas.

FR Fire Resistant - Gboard: For internal lining applications where a fire resistance level is required. This product offers superior fire protection.

WR & FR Water & Fire Resistant - Gboard: A dual-purpose board offering both superior fire and water resistance qualities when applied in areas where such characteristics are required or specified.

IR Impact Resistant - Gboard: Provides high density and high impact resistance in facilities where walls are often prone to pressure or abrupt collisions.

Available Dimensions & Thickness Options:

- 2000 mm • 2400 mm • 2500 mm • 2800 mm • 3000 mm x 1200 mm
- 6.5 mm • 9.5 mm • 12.5 mm • 15 mm • 16 mm • 18 mm

Other thicknesses are available upon request.



RG



WR

"جي بورد" العادي: مناسب لمعظم الاستخدامات داخل الأبنية السكنية وغير السكنية على حد سواء .

"جي بورد" المقاوم للرطوبة: مناسب للجدران والسقوف في المناطق العالية الرطوبة .

"جي بورد" المقاوم للحرائق: مناسب للاستعمالات الداخلية التي تتطلب مستوى معين من الحماية ضد الحرائق، ويؤمن هذا النوع من الألواح حماية ممتازة ضد النار .

"جي بورد" المقاوم للرطوبة والحرائق: هذا اللوح المزدوج الفعالية يجمع بين الحماية ضد النار والحماية من الرطوبة على حد سواء، وهو مثالي للمنشآت التي تتطلب هاتين الخاصتين .

"جي بورد" المقاوم للصدمات: يؤمن هذا اللوح الجبسي كثافة مرتفعة ومقاومة عالية ضد الصدمات في المنشآت التي تتعرض فيها الجدران للضغط أو الضربات المفاجئة .

السماكة والأحجام المتوفرة:

٢٠٠٠ ملم - ٢٤٠٠ ملم - ٢٥٠٠ ملم - ٢٨٠٠ ملم - ٣٠٠٠ ملم X ١٢٠٠ ملم
٦,٥ ملم - ٩,٥ ملم - ١٢,٥ ملم - ١٥ ملم - ١٦ ملم - ١٨ ملم

تتوفر سماكات أخرى حسب الطلب.

FR

WR - FR

TECHNICAL SPECIFICATIONS

As per EUROPEAN STANDARD (EN 520)

1. Types and Dimensions

1.1. Types of Plasterboards:

- Regular plasterboard (type A)
- Fire resistant plasterboard (type F)
- Water resistant plasterboard (type H)
- Combined plasterboard

1.2. Dimensions of Plasterboards:

1.2.1. Edges:

Square, Beveled, Tapered, Rounded, Half-rounded, Half-rounded tapered.

1.2.2. Thicknesses:

9.5mm, 12.5mm, 15.0mm.
Other nominal thicknesses are also possible and the minimum thickness is 6.0mm.

1.2.3. Widths:

600mm, 625mm, 900mm, 1200mm, 1250mm.
Other widths are also possible.

1.2.4. Lengths:

No requirement.



2.2. OTHER REQUIREMENTS

Table 2

Item	EN Value	Gboard Standard	Remark
Tolerance of Length	(0 ~ 6) mm	(0 ~ 4) mm	Type A, F, H
Tolerance of Width	(0 ~ 4) mm	(0 ~ 3) mm	Type A, F, H
Tolerance of Thickness	< 18 mm ± 0.5 mm	≤ + 0.5 mm	Type A, F, H or combined
Depth of taper	(0.6 ~ 2.5) mm	(1.0 ~ 1.7) mm	Type A, F, H or combined
Width of taper	(40 ~ 80) mm	(40 ~ 50) mm	Type A, F, H or combined
Squareness of ends	≤ 2.5 mm/m	≤ 2.0 mm/m	Type A, F, H or combined
Core cohesion at high temperature	Qualified	Qualified	Type F or combined
Surface water absorption	≤ 180g/m ²	≤ 160g/m ²	Type H, E or combined
Water absorption	H1 ≤ 5% H2 ≤ 10% H3 ≤ 25%	≤ 4.6% ≤ 8% ≤ 19%	Type H, E or combined

2. REQUIREMENTS

2.1. Flexural strength(expressed as flexural breaking load)
The flexural breaking load of plasterboard (type A, F, H or combined) shall not be less than the values given in Table 1.

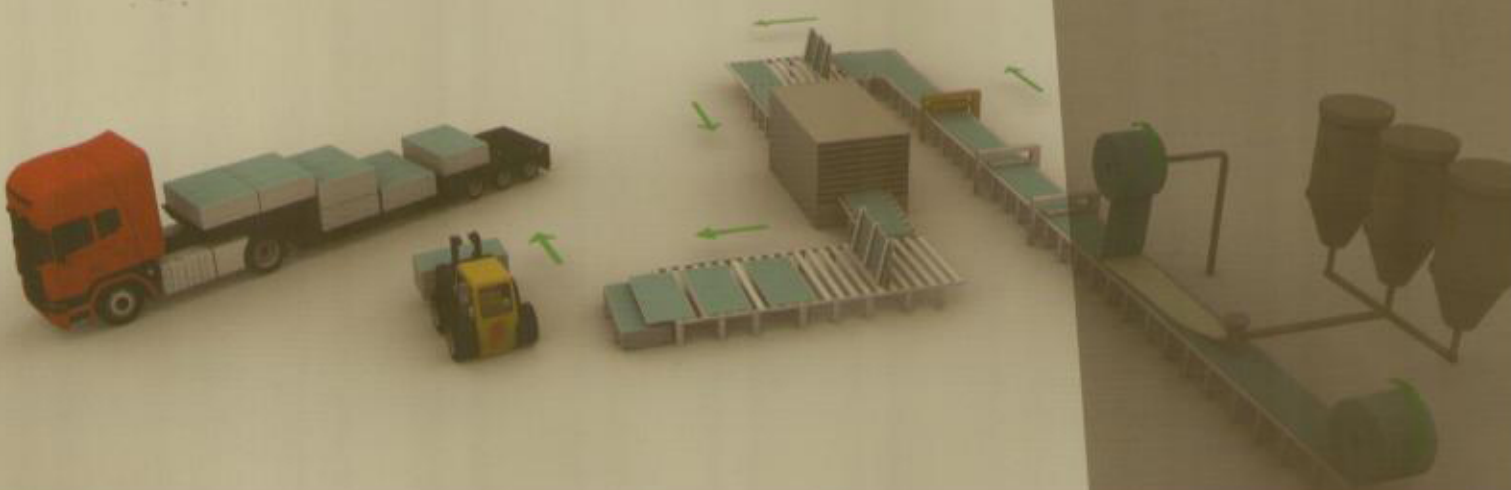
Additionally, no individual test shall demonstrate the product to be more than 10% below the values given in Table 1.

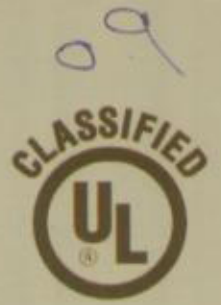
٢. الشروط

٢.١ قدرة مقاومة الانحناء (المعبر عنها أيضاً بالحمل الانكساري) يجب ألا يقل الحمل الانكساري للألواح (أنواع A و F و H والمزدوجة) عن القيم المشار إليها في الجدول ١ كما لا يجب أن يتدنى المنتج عن القيم الواردة في الجدول ١ بأكثر من ١٠% في أي فحص منفرد.

Table 1-Flexural breaking load

Thickness	Transverse Direction	Longitudinal Direction	Gboard Standard
9.5 mm	160 N	400 N	195 N / 490 N
12.5 mm	210 N	550 N	250 N / 650 N
15.0 mm	250 N	650 N	300 N / 780 N





International Standards

Gboard's commitment to quality is evident in every aspect and level of the company. We continually deploy the most recent technologies, attain quality certifications, produce innovative designs, and continuously update our team's knowledge and skills. This enables us to provide products and services to the most exacting quality standards, conforming to the requirements of our European, American, and global markets. Being in command of the whole cycle, from the quarry to the finished product, our Quality Control begins with monitoring the raw materials received. This ensures that we maintain the optimum level of quality from the initial start. During the process, dimensions, weight, flexibility and resistance tests are carried out to ensure that all of our products, standard or customized, meet the highest standards.

Manufactured in compliance with ASTM and EN standards, Gboard is also UL certified. UL is the most trusted resource across the world for security standards, issuing certificates for a product when it qualifies and meets all the requirements and safety norms set forth by the Underwriters Laboratories.



معايير دولية

إن التزام "جي بورد" بالجودة يشمل كل ناحية في الشركة. فنحن حريصون دائماً على استخدام آخر اكتشافات التكنولوجيا، والاستحصال على شهادات عالمية للجودة، وإنتاج تصاميم مبتكرة، وتطوير مهارات موظفينا باستمرار. هذا ما يمكننا من تقديم المنتجات والخدمات على مستوى ممتاز من الجودة، يتوافق مع معايير الأسواق الأوروبية والأمريكية والعالمية.

كوننا نتحكم بكافة مراحل التصنيع، من المقلع الى المنتج النهائي، فإن نظام ضبط الجودة لدينا يبدأ بمراقبة نوعية المواد الأولية المستلمة. بهذا نكفل انطلاق عملية الإنتاج مع أفضل نوعية من الجبس الخام .

بعد عملية التجفيف، يتم إجراء الاختبارات للقياسات والوزن والمرونة والمقاومة، للحد من أي تفاوت في الإنتاج، وللتأكد من أن المنتج يستوفي أعلى معايير الجودة. أكان عادياً حسب الطلب.

يتم إنتاج جي بورد وفقاً للمواصفات الأمريكية والأوروبية، وقد اجتازت بنجاح كافة الاختبارات والمتطلبات الصارمة التي وضعتها مختبرات أندرايترز العالمية لتحقيق أعلى معايير الأمان والسلامة. وتعد مختبرات أندرايترز من الهيئات العالمية الرائدة في اختبار واعتماد المنتجات المختلفة لتحديد مدى التزامها بتطبيق المعايير والمتطلبات العالمية للأمان والسلامة العامة.



المواصفات التقنية
حسب المعايير الأوروبية (EN 520)

١- الأنواع و القياسات

١-١ أنواع الألواح :

ألواح عادية (نوع A)
ألواح مقاومة للحرائق (نوع F)
ألواح مقاومة للماء (نوع H)
وألواح مزدوجة

٢-١ قياسات الألواح :

١-٢-١ الأطراف :

مربّعة، مشطوبة، مستديرة، نصف مستديرة، نصف مستديرة
ومشطوبة.

٢-٢-١ السماكة :

٩,٥ ملم، ١٢,٥ ملم، ١٥,٠ ملم.
يمكن تأمين سماكات أخرى، علماً أن الحد الأدنى للسماكة هو
٦,٠ ملم.

٣-٢-١ العرض :

٦٠٠ ملم، ٦٢٥ ملم، ٩٠٠ ملم، ١٢٠٠ ملم، ١٢٥٠ ملم.
يمكن تأمين قياسات مختلفة من حيث العرض أيضاً.

٤-٢-١ الطول :

غير محدّد.





Gboard



Gboard

Build No