



شركة مجموعة المهيلب للمنتجات الإسمنتية
AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS

تليفون : ٢٤٤١٤٨٠ / ٢٤٤٠٥٧١ / ٢٤٤٠٥٦٨ التشغيل : ٢٤٤٠٦٤٥ فاكس : ٢٤٤٠٥٦٩
Tel.: 2441480 / 2440571 / 2440568 - Operation : 2440645 - Fax: 2440569



شركة مجموعة المهيب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS

WE ARE MGC

MGC is a leading company in the field of ready-mix concrete and block production, characterized by high quality of its products, and great capabilities with its branches distributed over the regions of the Kingdom of Saudi Arabia. The work team, in order to support the company's capabilities to provide the best services in this field and achieve its goals, foremost of which is the satisfaction of its customers and confirm its position as one of the oldest companies in this field in the Kingdom.





شركة مجموعة المهيلب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS

MGC provides cement block to our customers' ongoing needs, with superior quality, technical expertise, and customer service. we produce a wide variety of standard and special shapes available to meet all of our customers' construction needs. Standard concrete block is widely known as one of the most practical, long-lasting and cost-effective material used in building. Due to its strength, durability, and excellent fire rating, concrete block provides a sensible alternative to many other building materials.



We strive to make the future better for our customers, and our communities by becoming the most efficient and innovative cement products company.



MGC BRANCHES

MGC Its network in the Kingdom of Saudi Arabia includes more than 12 ready-mix concrete factories and a number of factories are under construction to cover the needs of our customers in all vital regions of the Kingdom, in addition to about 10 quarries for aggregates in addition to many quarries in progress.



1. Head Office– Buraydah– Al Qassim

2. Riyadh Branches

- Al Sollay Factory
- Al Mashaael Factory

- Ramah Crusher

3. Al Qassim Branches:

- Al Shamal - Buraydah
- Al Salmeyah - Buraydah
- Al Tashleeh - Buraydah
- Jabbarah - Buraydah
- Al Manar - Buraydah
- Al Bukeriyah Factory
- Onaizah Factory

- Onaizah Crusher
- Al Asyah Crusher
- Hael Crusher

4. Tabouk Branches:

- Tabouk Factory
- Neom Factory

- Tabouk Crusher

5.

6. Dammam Branches:

- Dammam Factory
- Al Somman Crusher

7. Al Madeinah Al Monawarah Branches:

- Al Madeinah Factory
- Al Madeinah Crusher



شركة مجموعة المهيلب للمنتجات الإسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS

MGC was established in 1985 by AL SHEIKH / IBRAHIM BIN MOHAMED AL MUHAYLIB, one of the reputed businessmen with a great background in the field, and during its long history, the group continues to focus on creating sustainable value by providing industry-leading products and solutions to satisfy the construction needs of concrete and block for our customers around the kingdom of Saudi Arabia.

الاسم: إبراهيم بن محمد المهيلب

العمل: رئيس مجلس إدارة شركة مجموعة المهيلب للمنتجات الإسمنتية

مكان الميلاد: منطقة الجوف

الهواية: تربية واقتناء الإبل

التجربة: عوامل النجاح ثلاثة:

التميز، التطوير، التوسع

الإنجاز: المشاركة في مشروعات البنية التحتية للوطن



AL SHEIKH AL MUHAYLIB with the support of his sons through the last years, the group witnesses great developments in all aspects of technologies, administration, financials and technical to provide high-quality products and reliable services with a rich history of improving the well-being of those they serve through innovative building solutions, efficiency advances, and sustainability efforts.

MGC uses the latest and advanced model of management conducted by a group of professionals and highly qualified teams placed in a modern administration structure and operating through more than 2000 employees carefully selected and well trained in order to achieve the company's targets efficiently and effectively.



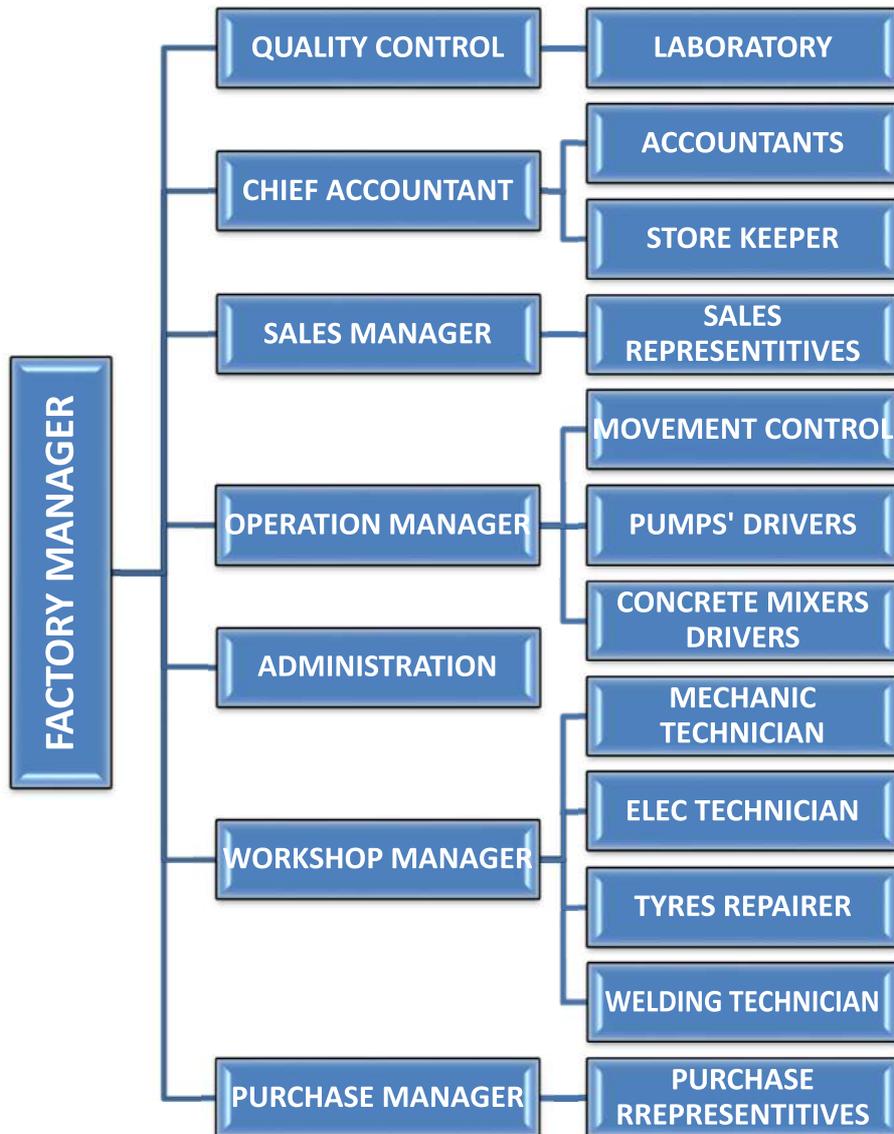
ADMINISTRATION STRUC TURE

1) Head quarter structure





2) Factory structure





PLANTS & EQUIPEMENTS

1) Factories plants & equipments

Name Of Plant	Dump Trucks (15m ³ -35m ³) Capacity	Washer Plant	Chiller Units	Loaders Heavy & Medium	Forklift (Blocks)	Dumpers (Blocks)	Block Machine Automatic & Semi Automatic
South Buraidah (Al Qassim)	12	1	2	4	4	6	4
Unaizah Factory (Al Qassim)	12	1	2	4	4	6	4
North Buraidah (Al Qassim)	12	1	2	4	4	6	4
MGC Factory Riyadh	15	2	4	5	5	8	6
MGC Factory Tabuk	15	2	4	5	5	8	6
MGC Factory NEOM	6	1	2	2	0	0	0
MGC Factory Dammam	16	2	3	3	4	6	4
MGC Factory Madina Al Munawarra	10	2	3	3	4	6	4
MGC Factory Bukeriyah (Al Qassim)	10	1	2	3	4	6	4
Al Qassim Factory Al Maared	8	1	2	2	2	5	3
Al Manar Factory (Al Qassim)	4	1	2	2	2	5	3
MGC Factory Al Muznib	4	1	1	1	2	5	3
Total →	124	16	29	38	40	67	45



شركة مجموعة المهيب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS

Name Of Plant	Cement Bulk Tailors	Block Winch Truck	Transit Mixers Trucks 6 - 12m ³	Hydraulic Concrete Pumps 36 - 52m	Block Plant Automatic & Semi Automatic	Concrete Plant Automatic & Semi Automatic
South Buraidah (Al Qassim)	6	10	40	10	3	3
Unaizah Factory (Al Qassim)	6	10	40	10	3	3
North Buraidah (Al Qassim)	6	10	40	10	3	4
MGC Factory Riyadh	12	12	45	12	4	4
MGC Factory Tabuk	15	12	45	12	4	4
MGC Factory NEOM	0	0	20	4	0	2
MGC Factory Dammam	12	10	40	10	3	3
MGC Factory Madina Al Munawarra	12	10	40	10	3	3
MGC Factory Bukeriyah (Al Qassim)	6	10	40	10	3	3
Al Qassim Factory Al Maared	4	8	25	6	2	2
Al Manar Factory (Al Qassim)	2	6	10	3	2	0
MGC Factory Al Muznib	5	5	15	5	2	2
Total →	86	103	400	102	32	33



2) Crushers' plants & equipments

Name Of Plant	Ousher Plant	Bull Dozers	Loader Heavy & Medium	Pokiain	Dump Truck	Washer Plant
MGC Crusher Unaizah (Al Qassim)	3	3	4	10	15	4
MGC Crusher Al Asiyah (Al Qassim)	3	2	3	6	10	2
MGC Crusher Ramah (Riyadh)	3	3	4	10	15	3
MGC Orusher (Dammam)	2	2	3	8	12	3
MGC Crusher (Tabuk)	3	4	5	12	18	4
MGC Crusher (Madina Al Munawarh)	2	2	3	8	10	2
Total	16	16	22	54	80	18



OUR VALUES

It is not what we do, but how we do it

These are the values that guide us

Ensure Safety

We make safety a personal responsibility and hold each other accountable for safe acts and behaviors, ensuring that nothing comes before the health & safety of our people, contractors and the community.



Focus on Customers

We build close customer relationships that set us apart from our competitors by listening to our customers, understanding their challenges and providing valuable solutions.



Pursue Excellence

Our passion for the work we do drives us to exceed expectations, to challenge ourselves to constantly improve and to never settle for “good enough.”



Act with Integrity

We act with honesty and transparency in all our interactions because we care for our people, for our communities and for our natural resources.





شركة مجموعة المهيب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS

Making difference

Quality is our motto & prompt services is our aim, and capable of designing different grades of concrete as per projects specifications.



Here when you need

We direct our facilities, capabilities and expertise to serve the needs of our customers around the clock.



FACTS ABOUT MGC

Mindset, Skill-set, Leadership, Collaboration. We're striving to build a better future for our people, customers, shareholders and communities.

The MGC Operational Excellence Model starts with our vision. We'll achieve our vision by constantly focusing on our purpose, executing our mission and driving our strategy. In order to do that, we need to have the most efficient operations in the industry.

MGC's organizational structure clearly defines the powers and responsibilities in the business allowing the efforts of our employees who go above and beyond to achieve operational excellence are recognized.

MGC's Continuous Improvement journey. We use modern methodology. We encourage our team to keep learn and apply it to all aspects of our work. We will then be able to LIVE the Continuous Improvement journey through our ability to teach and mentor those around us.

MGC plans production plants using the latest designs, as well as constantly updating production technologies and methods to always offer the best to our customers, in search of customer satisfaction.



ACCREDITATIONS AND CERTIFICATES

The factory production was approved by the Riyadh Municipality, in addition to the Certifying of calibration by a reliable external laboratory.

First: Production Approval by Riyadh Municipality

- 1) Approval of C35
- 2) Approval of C30
- 3) Approval of C25
- 4) Approval of C15

Second: Calibration Certificates

1. Calibration Certificates for Weigh Bridge
2. Calibration Certificates for Compression Machine
3. Calibration Certificates for Cement Scale
4. Calibration Certificates for Aggregate Scale
5. Calibration Certificates for Water Scale

Third: Chemicals Quality Certificate

- 1) Quality Certificate for Hyperplast PC198



شركة مجموعة المهيلب للمنتجات الإسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



البلدية العامة للبحوث
إدارة المواد والبحوث
وكالة التعمير والمشاريع
أمانة منطقة الرياض

الموضوع: تصميم خلطة خرسانية

إدارة المواد والبحوث

المحترمين

السادة/ مصنع المهيلب للخرسانة الجاهزة — السلي

السلام عليكم ورحمة الله وبركاته وبعد، ،

إشارة إلى طلبكم اعتماد الخلطات الخرسانية لإنتاجها بمصنعكم الواقع بالسلي، عليه اعتمدوا البدء بإنتاج التصميم التالي للخلطة (ضغط ١٥):

نسب الخلطة للمتر المكعب:

- Batch Weights per /m3 for class of concrete: 15 N/mm ²					
- Cement	=	250	Kg 3/4 Size (dry)	=	600 Kg
- Water (free)	=	175	Kg 3/8 Size (dry)	=	400 Kg
- Admixture (Rd)	=	2.5	Lit Crushed Sand (dry)	=	290 Kg
- W/C Ratio	=	0.70	Dune Sand (dry)	=	538 Kg
* Weights of Aggregate & Mixing water Shall Be adjust, Base From The Actual% Absorption & moisture content of aggts. In A Batch					

للتقيد بموجبه مع ضرورة الأخذ بكافة الملاحظات المرفقة بالتقرير والعمل بها، هذا الإعتقاد ساري المفعول لمدة سنة إعتباراً من تاريخ ٢٧/١٠/٢٠٢٠ م.

ولكم تحياتنا، ،

مدير إدارة المواد والبحوث

م/ مطلق بن محمد العتيبي

الرياض ١١٤٦ تليفون : ٠١٤٧٨٨٨٧٣ فاكس : ٠١٤٧٩١٤١٦ البريد الإلكتروني : oam@alriyadh.gov.sa Email:



شركة مجموعة المهيلب للمنتجات الإسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



Saudi Tech

أمانة منطقة الرياض

الإدارة العامة للتشغيل والصيانة - إدارة المواد والبحوث

مشروع ضبط وتأكيد جودة إنتاج مصانع الخرسانة الجاهزة والبلوك بمدينة الرياض



CONCRETE MIX DESIGN ACI 211.1

Plant :	AL-Muhailib Group Company	Location :	Suly
Materials Sampling No :	65	Date :	08/09/2020
Class of Concrete :	C-35		

Mix Requirements

_ Characteristic Compressive Strength @ 28 days :	35 N/mm ²
_ Cement Content :	420 Kg
_ Slump @ site :	(100 ± 25) mm
_ Admixture type :	'D' and 'G'

Aggregate properties

Fine Aggregate	Coarse Aggregata
Crushed Sand = 35%	3/4" = 60% Max Size 20mm
Dune Sand = 65%	3/8" = 40%
Average Fineness Modulus = 2.607	Dry Rodded Unit Weight = 1566 kg/m ³
Average Bulk Specific Gravity (dry) = 2.60	Average Bulk Specific Gravity(dry)= 2.58

Mix Proportions

Batch Weights per/m ³			
Cement =	420	kg	3/4" Size (dry) = 600 kg
Water (free) =	164	lit	3/8" Size (dry) = 400 kg
Admixture (Rd+Sp)=	1.4+3.2	lit	Crushed Sand (dry) = 266 kg
W/C Ratio =	0.39		Dune Sand (dry) = 493 kg

Tested by:
Technician
MUSAAB MUBARAK

Checked by:
Material Engineer
ABUL KASEM AZIZ

Approved by:
Project Manager
WAIL ALHAMDAN

شركة التقنيون السعوديون - سعودي تيك
لفحص التربة و المواد
مشروع ضبط وتأكيد جودة إنتاج مصانع
الخرسانة الجاهزة والبلوك بمدينة الرياض
عند رقم (١٠٨)



شركة مجموعة المهيلب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



Saudi Tech

أمانة منطقة الرياض

الإدارة العامة للتشغيل والصيانة- إدارة المواد والبحوث

مشروع ضبط وتأكيد جودة إنتاج مصانع الخرسانة الجاهزة والبلوك بمدينة الرياض



Concrete Trial Mix

Plant :	AL-Muhailib Group Company	Material Sampling No :	65
Location :	Suly	Characteristic Strength :	35 N/mm ²
Date of Casting :	08/09/2020		
Batch Weights :			

Material	Absorption %	Moisture content %	Corrected Weight	
Cement (kg)			(1m3)	0.035m3
			420	14.700
Coarse Aggregate				
3/4" size (kg)	0.9	0.8	605	21.175
3/8" size (kg)	0.9	0.6	402	14.070
Fine Aggregate				
Crushed Sand (kg)	1.8	1.5	270	9.450
Dune Sand (kg)	1.2	1.1	498	17.430
Water (lit)			167	5.845
Admixture (lit)			1.4 + 3.2	(49+112) ml.

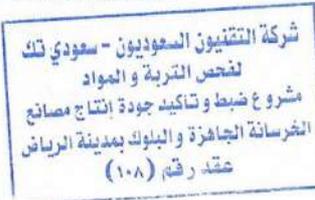
Trial Mix Results

Air Temp.	25	c
Mix Temp.	29	c
Air Content	2.6	%
Slump		
@ Initial =	180	(mm)
@ 30 Minutes =	130	(mm)
@ 45 Minutes =	105	(mm)
@ 60 Minutes =	90	(mm)
Density of Fresh Concrete =	2.400	kg/m3
comp Strength		
After 7 days	39.2	(N/mm2)
After 28 days	47.3	(N/mm2)

Tested by:
Technician
MUSAAB MUBARAK

Checked by:
Material Engineer
ABUL KASEM AZIZ

Approved by:
Project Manager
WAIL ALHAMDAN



No-18

Al Muhailib Group Company's Profile



شركة مجموعة المهيب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



المملكة العربية السعودية
أمانة منطقة الرياض
وكالة التعمير والمشاريع
الإدارة العامة للتشغيل والصيانة

الموضوع: تصميم خلطة خرسانية

إدارة المواد والبحوث

المحترمين

السادة/ مصنع المهيب للخرسانة الجاهزة — السلي

السلام عليكم ورحمة الله وبركاته وبعد، ، ،

إشارة إلى طلبكم اعتماد الخلطات الخرسانية لإنتاجها بمصنعكم الواقع بالسلي، عليه اعتمدوا البدء بإنتاج التصميم التالي للخلطة (ضغط ٣٠):
نسب الخلطة للمتر المكعب:

- Batch Weights per /m3 for class of concrete: 30 N/mm ²					
- Cement	=	400	Kg 3/4 Size (dry)	=	600 Kg
- Water (free)	=	164	Kg 3/8 Size (dry)	=	400 Kg
- Admixture (Rd+Sp)	=	1.3+2.9	Lit Crushed Sand (dry)	=	272 Kg
- W/C Ratio	=	0.41	Dune Sand (dry)	=	504 Kg
* Weights of Aggregate & Mixing water Shall Be adjust, Base From The Actual% Absorption & moisture content of aggts. In A Batch					

للتقيد بموجبه مع ضرورة الأخذ بكافة الملاحظات المرفقة بالتقرير والعمل بها، هذا الاعتماد ساري المفعول لمدة سنة إعتباراً من تاريخ ٢٧/١٠/٢٠٢٠ م.

ولكم تحياتنا، ، ،

مدير إدارة المواد والبحوث

م/ مطلق بن محمد العتيبي

الرياض ١١١٤٦ تليفون : ٠١١٤٧٨٨٨٧٣ فاكس : ٠١١٤٧٩١٤١٦ البريد الإلكتروني : oam@alriyadh.gov.sa



شركة مجموعة المهيلب للمنتجات الإسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



Saudi Tech

أمانة منطقة الرياض

الإدارة العامة للتشغيل والصيانة - إدارة المواد والبحوث

مشروع ضبط وتأكيد جودة إنتاج مصانع الخرسانة الجاهزة والبلوك بمدينة الرياض



CONCRETE MIX DESIGN ACI 211.1

Plant :	AL-Muhailib Group Company	Location :	Suly
Materials Sampling No :	65	Date :	06/09/2020
Class of Concrete :	C-25		

Mix Requirements

Characteristic Compressive Strength @ 28 days :	25 N/mm ²
Cement Content :	350 Kg
Slump @ site :	(125 ± 25) mm
Admixture type :	'D' and 'G'

Aggregate properties

Fine Aggregate	Coarse Aggregata
Crushed Sand = 35%	3/4" = 60% Max Size 20mm
Dune Sand = 65%	3/8" = 40%
Average Fineness Modulus = 2.607	Dry Rodded Unit Weight = 1566 kg/m ³
Average Bulk Specific Gravity (dry) = 2.60	Average Bulk Specific Gravity(dry)= 2.58

Mix Proportions

Batch Weights per/m ³			
Cement =	350	kg	3/4" Size (dry) = 600 kg
Water (free) =	179	lit	3/8" Size (dry) = 400 kg
Admixture (Rd+Sp)=	1.2+2.7	lit	Crushed Sand (dry) = 273 kg
W/C Ratio =	0.51		Dune Sand (dry) = 507 kg

Tested by: 
Technician
MUSAAB MUBARAK

Checked by: 
Material Engineer
ABUL KASEM AZIZ

Approved by: 
Project Manager
WAIL ALHAMDAN

شركة التقنيون السعوديون - سعودي تك
لتخصص التربة و المواد
مشروع ضبط وتأكيد جودة إنتاج مصانع
الخرسانة الجاهزة والبلوك بمدينة الرياض
عقد رقم (١٠٨)

No-17



شركة مجموعة المهيلب للمنتجات الإسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



Saudi Tech

أمانة منطقة الرياض

الإدارة العامة للتشغيل والصيانة - إدارة المواد والبحوث

مشروع ضبط وتأكيد جودة إنتاج مصانع الخرسانة الجاهزة والبلوك بمدينة الرياض



Concrete Trial Mix

Plant :	AL-Muhailib Group Company	Material Sampling No :	65
Location :	Suly	Characteristic Strength :	30 N/mm ²
Date of Casting :	06/09/2020		
Batch Weights :			

Material	Absorption %	Moisture content %	Corrected Weight	
Cement (kg)			(1m ³)	0.035m ³
			400	14.000
Coarse Aggregate				
3/4" size (kg)	0.9	0.8	605	21.175
3/8" size (kg)	0.9	0.6	402	14.070
Fine Aggregate				
Crushed Sand (kg)	1.8	1.5	276	9.660
Dune Sand (kg)	1.2	1.1	510	17.850
Water (lit)			167	5.845
Admixture (lit)			1.3 + 2.9	(46+102) ml.

Trial Mix Results

Air Temp.	26	c
Mix Temp.	29	c
Air Content	2.5	%
Slump		
@ Initial =	180	(mm)
@ 30 Minutes =	140	(mm)
@ 45 Minutes =	120	(mm)
@ 60 Minutes =	105	(mm)
Density of Fresh Concrete =	2.391	kg/m ³
comp Strength		
After 7 days	36.4	(N/mm ²)
After 28 days	44.7	(N/mm ²)

Tested by:
Technician
MUSAAB MUBARAK

Checked by:
Material Engineer
ABUL KASEM AZIZ

Approved by:
Project Manager
WAIL ALHAMDAN

شركة التقنيون السعوديون - سعودي تيك
لفحص التربة و المواد
مشروع ضبط وتأكيد جودة إنتاج مصانع
الخرسانة الجاهزة والبلوك بمدينة الرياض
عند رقم (١٠٨)

No-18

Al Muhailib Group Company's Profile



شركة مجموعة المهيلب للمنتجات الإسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



المملكة العربية السعودية
أمانة منطقة الرياض
وكالة التعمير والمشاريع
الإدارة العامة للتشغيل والصيانة
إدارة المواد والبحوث

الموضوع: تصميم خلطة خرسانية

المحترمين

السادة/ مصنع المهيلب للخرسانة الجاهزة — السلي

السلام عليكم ورحمة الله وبركاته وبعد، ، ،

إشارة إلى طلبكم اعتماد الخلطات الخرسانية لإنتاجها بمصنعكم الواقع بالسلي، عليه اعتمدوا البدء بإنتاج التصميم التالي للخلطة (ضغط ٢٥):
نسب الخلطة للمتر المكعب:

- Batch Weights per /m3 for class of concrete: 25 N/mm ²					
- Cement	=	350	Kg	3/4 Size (dry)	= 600 Kg
- Water (free)	=	179	Kg	3/8 Size (dry)	= 400 Kg
- Admixture (Rd+Sp)	=	1.2+2.7	Lit	Crushed Sand (dry)	= 273 Kg
- W/C Ratio	=	0.51		Dune Sand (dry)	= 507 Kg
* Weights of Aggregate & Mixing water Shall Be adjust, Base From The Actual% Absorption & moisture content of aggts. In A Batch					

للتقيد بموجبه مع ضرورة الأخذ بكافة الملاحظات المرفقة بالتقرير والعمل بها، هذا الاعتماد ساري المفعول لمدة سنة إعتباراً من تاريخ ٢٧/١٠/٢٠٢٠ م.

ولكم تحياتنا، ، ،

مدير إدارة المواد والبحوث

م/ مطلق بن محمد العتيبي

الرياض ١١٤٦ تليفون : ٠١٤٧٨٨٨٧٣ فاكس : ٠١٤٧٩١٤١٦ البريد الإلكتروني : oam@airiyadh.gov.sa



شركة مجموعة المهيلب للمنتجات الإسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



أمانة منطقة الرياض
الإدارة العامة للتشغيل والصيانة - إدارة المواد والبحوث
مشروع ضبط وتأكيد جودة إنتاج مصانع الخرسانة الجاهزة والبلوك بمدينة الرياض



CONCRETE MIX DESIGN ACI 211.1

Plant :	AL-Muhailib Group Company	Location :	Suly
Materials Sampling No :	65	Date :	06/09/2020
Class of Concrete :	C-25		

Mix Requirements

_ Characteristic Compressive Strength @ 28 days :	25 N/mm ²
_ Cement Content :	350 Kg
_ Slump @ site :	(125 ± 25) mm
_ Admixture type :	'D' and 'G'

Aggregate properties

Fine Aggregate	Coarse Aggregata
Crushed Sand = 35%	3/4" = 60% Max Size 20mm
Dune Sand = 65%	3/8" = 40%
Average Fineness Modulus = 2.607	Dry Rodded Unit Weight = 1566 kg/m ³
Average Bulk Specific Gravity (dry) = 2.60	Average Bulk Specific Gravity(dry)= 2.58

Mix Proportions

Batch Weights per/m ³					
Cement =	350	kg	3/4" Size (dry) = 600	kg	
Water (free) =	179	lit	3/8" Size (dry) =	400	kg
Admixture (Rd+Sp)=	1.2+2.7	lit	Crushed Sand (dry) =	273	kg
W/C Ratio =	0.51		Dune Sand (dry) =	507	kg

Tested by:
Technician
MUSAAB MUBARAK

Checked by:
Material Engineer
ABUL KASEM AZIZ

Approved by:
Project Manager
WAIL ALHAMDAN

شركة التقنيون السعوديون - سعودي تك
لتخصص التربة و المواد
مشروع ضبط و تأكيد جودة إنتاج مصانع
الخرسانة الجاهزة والبلوك بمدينة الرياض
عقد رقم (١٠٨)

No-17



شركة مجموعة المهيلب للمنتجات الإسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



Saudi Tech

أمانة منطقة الرياض

الإدارة العامة للتشغيل والصيانة - إدارة المواد والبحوث

مشروع ضبط وتأكيد جودة إنتاج مصانع الخرسانة الجاهزة والبلوك بمدينة الرياض



Concrete Trial Mix

Plant :	AL-Muhailib Group Company	Material Sampling No :	65
Location :	Suly	Characteristic Strength :	25 N/mm ²
Date of Casting :	06/09/2020		
Batch Weights :			

Material	Absorption %	Moisture content %	Corrected Weight	
			(1m3)	
Cement (kg)			350	12.250
Coarse Aggregate				
3/4" size (kg)	0.9	0.8	605	21.175
3/8" size (kg)	0.9	0.6	402	14.070
Fine Aggregate				
Crushed Sand (kg)	1.8	1.5	277	9.695
Dune Sand (kg)	1.2	1.1	513	17.955
Water (lit)			182	6.370
Admixture (lit)			1.2 + 2.7	(42+95) ml.

Trial Mix Results

Air Temp.	25	c
Mix Temp.	29	c
Air Content	2.4	%
Slump		
@ Initial =	190	(mm)
@ 30 Minutes =	150	(mm)
@ 45 Minutes =	130	(mm)
@ 60 Minutes =	110	(mm)
Density of Fresh Concrete =	2.375	kg/m ³
comp Strength		
After 7 days	25.2	(N/mm ²)
After 28 days	32.1	(N/mm ²)

Tested by: 
Technician
MUSAAB MUBARAK

Checked by: 
Material-Engineer
ABUL KASEM AZIZ

Approved by: 
Project Manager
WAIL ALHAMDAN

شركة التقنيون السعوديون - سعودي تك
لفحص التربة والمواد
مشروع ضبط وتأكيد جودة إنتاج مصانع
الخرسانة الجاهزة والبلوك بمدينة الرياض
عقد رقم (١٠٨)

No-18



شركة مجموعة المهيلب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



المملكة العربية السعودية
أمانة منطقة الرياض
وكالة التعمير والمشاريع
الإدارة العامة للتشغيل والصيانة
إدارة المواد والبحوث

الموضوع: تصميم خلطة خرسانية

إدارة المواد والبحوث

المحترمين

السادة/ مصنع المهيلب للخرسانة الجاهزة — السلي

السلام عليكم ورحمة الله وبركاته وبعد،،،

إشارة إلى طلبكم اعتماد الخلطات الخرسانية لإنتاجها بمصنعكم الواقع بالسلي، عليه اعتمدوا البدء بإنتاج التصميم التالي للخلطة (ضغط 15):
نسب الخلطة للمتر المكعب:

- Batch Weights per /m3 for class of concrete: 15 N/mm ²					
- Cement	=	250	Kg 3/4 Size (dry)	=	600 Kg
- Water (free)	=	175	Kg 3/8 Size (dry)	=	400 Kg
- Admixture (Rd)	=	2.5	Lit Crushed Sand (dry)	=	290 Kg
- W/C Ratio	=	0.70	Dune Sand (dry)	=	538 Kg
* Weights of Aggregate & Mixing water Shall Be adjust, Base From The Actual% Absorption & moisture content of aggts. In A Batch					

للتقيد بموجبه مع ضرورة الأخذ بكافة الملاحظات المرفقة بالتقرير والعمل بها، هذا الإتماد ساري المفعول لمدة سنة إعتباراً من تاريخ ٢٧/١٠/٢٠٢٠ م.

ولكم تحياتنا،،،

مدير إدارة المواد والبحوث

م/ مطلق بن محمد العتيبي

الرياض ١١٤٦ تليفون : ١١٤٧٨٨٨٧٣ ، فاكس : ١١٤٧٩١٤١٦ البريد الإلكتروني : Email: oam@alriyadh.gov.sa



شركة مجموعة المهيلب للمنتجات الإسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



Saudi Tech

أمانة منطقة الرياض

الإدارة العامة للتشغيل والصيانة - إدارة المواد والبحوث

مشروع ضبط وتأكيد جودة إنتاج مصانع الخرسانة الجاهزة والبلوك بمدينة الرياض



CONCRETE MIX DESIGN ACI 211.1

Plant :	AL-Muhailib Group Company	Location :	Suly
Materials Sampling No :	65	Date :	05/09/2020
Class of Concrete :	C-15		

Mix Requirements

Characteristic Compressive Strength @ 28 days :	15 N/mm ²
Cement Content :	250 Kg
Slump @ site :	(125 ± 25) mm
Admixture type :	'D'

Aggregate properties

Fine Aggregate	Coarse Aggregata
Crushed Sand = 35%	3/4" = 60% Max Size 20mm
Dune Sand = 65%	3/8" = 40%
Average Fineness Modulus = 2.607	Dry Rodded Unit Weight = 1566 kg/m ³
Average Bulk Specific Gravity (dry) = 2.60	Average Bulk Specific Gravity(dry)= 2.58

Mix Proportions

Batch Weights per/m ³			
Cement =	250	kg	3/4" Size (dry) = 600 kg
Water (free) =	175	lit	3/8" Size (dry) = 400 kg
Admixture (Rd)=	2.5	lit	Crushed Sand (dry) = 290 kg
W/C Ratio =	0.70		Dune Sand (dry) = 538 kg

Tested by:
Technician
MUSAAB MUBARAK

Checked by:
Material Engineer
ABUL KASEM AZIZ

Approved by:
Project Manager
WAIL ALHAMDAN

شركة التقنيين السعوديون - سعودي تك
لفحص التربة والمواد
مشروع ضبط وتأكيد جودة إنتاج مصانع
الخرسانة الجاهزة والبلوك بمدينة الرياض
شتمبر ٢٠٢٠

No-17



شركة مجموعة المهيب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



Saudi Tech

أمانة منطقة الرياض

الإدارة العامة للتشغيل والصيانة - إدارة المواد والبحوث

مشروع ضبط وتأكيد جودة إنتاج مصانع الخرسانة الجاهزة والبلوك بمدينة الرياض



Concrete Trial Mix

Plant :	AL-Muhailib Group Company	Material Sampling No :	65
Location :	Suly	Characteristic Strength :	15 N/mm ²
Date of Casting :	05/09/2020		
Batch Weights :			

Material	Absorption %	Moisture content %	Corrected Weight	
Cement (kg)			(1m ³)	0.035m ³
			250	8.750
Coarse Aggregate				
3/4" size (kg)	0.9	0.8	605	21.175
3/8" size (kg)	0.9	0.6	402	14.070
Fine Aggregate				
Crushed Sand (kg)	1.8	1.5	294	10.240
Dune Sand (kg)	1.2	1.1	544	19.040
Water (lit)			180	6.300
Admixture (lit)			2.5	88 ml.

Trial Mix Results

Air Temp.	25	c
Mix Temp.	29	c
Air Content	2.3	%
Slump		
@ Initial =	185	(mm)
@ 30 Minutes =	150	(mm)
@ 45 Minutes =	135	(mm)
@ 60 Minutes =	120	(mm)
Density of Fresh Concrete =	2.344	kg/m ³
comp Strength		
After 7 days	18.6	(N/mm ²)
After 28 days	23.9	(N/mm ²)

Tested by:
Technician
MUSAAB MUBARAK

Checked by:
Material Engineer
ABUL KASEM AZIZ

Approved by:
Project Manager
WAIL ALHAMDAN

شركة التقنيون السعوديون - سعودي تك
لتخصص التربة والمواد
مشروع ضبط وتأكيد جودة إنتاج مصانع
الخرسانة الجاهزة والبلوك بمدينة الرياض
عقد رقم (١٠٨)

No-18



شركة مجموعة المهيلب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



مختبر ياس ترونكس
YASTRONICS LABORATORY
For Calibration للمعايرة

CALIBRATION CERTIFICATE

Certificate No : YAS57677
Customer Name : Al Muhaileb Cruuehr
Address : As Sulay, Riyadh, Kingdom of Saudi Arabia

Instrument / Device Identification			
Description	Weigh Bridge	Model	FB6001
Manufacturer	Fairbanks	Serial No	131920130117
Range	100 Ton	ID No	----
Location	As Sulay	Work Order No	WRK285

Date of receipt : 25 October 2020 Date of Issue : 28 October 2020
Calibrated on : 26 October 2020 Calibration Due Date : 26 October 2021
Result Type : With Adjustment Performed

Calibration Procedure : YL-WS-002
Reference Standard : Euramet cg-18

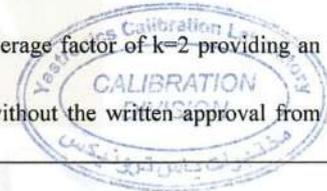
Yastronics Laboratory Certifies that the above listed instrument has been Calibrated in accordance with ISO/IEC 17025:2017 and ISO 9001:2015.

Yastronics Laboratory Calibration reference Standards used in this calibration are traceable to the National Measurement and Calibration Center (NMCC) and/or National Metrology Institutes (NMI's) or other recognized ISO/IEC 17025 accredited Laboratories or Self-Calibration Techniques.

This Calibration certificate applies only the instrument / device described above and the measurement results are recorded on the following pages.

Uncertainties of the measurements (if Specified) are based upon a coverage factor of $k=2$ providing an approximate 95% confidence level.

This certificate shall not be corrected or reproduced except in full, without the written approval from Yastronics Laboratory.



Environmental condition:

Temperature : $(22 \pm 2) ^\circ\text{C}$ Relative humidity : $(40 \pm 15) \% \text{RH}$

Calibrated By



Operational Engineer

Reviewed By



Technical Manager

Approved By

Laboratory Manager

YL-FMT-PR-SRV-006-001/V-001/W.e.f: 01-10-2019

Page 1 of 3

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Fax: 011 474 2931
E-mail: calibration@yastronics.net

P.O. Box 20436
Riyadh 11455 K.S.A.

Dammam Branch
Web: www.yastronics.net





شركة مجموعة المهيلب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



مختبر ياس ترونكس
YASTRONICS LABORATORY
For Calibration للمعايرة

CALIBRATION CERTIFICATE

Certificate No : YAS57680
Customer Name : Al Muhaileb Cruuehr
Address : As Sulay, Riyadh, Kingdom of Saudi Arabia

Instrument / Device Identification			
Description	Compression Machine	Model	102/1500E
Manufacturer	Strassentest	Serial No	8052
Range	1500 KN	ID No	----
Location	QC Laboratory	Work Order No	WRK285

Date of receipt : 25 October 2020 Date of Issue : 28 October 2020
Calibrated on : 26 October 2020 Calibration Due Date : 26 October 2021
Result Type : No Adjustment Performed

Reference Standard ASTM E74

Yastronics Laboratory Certifies that the above listed instrument has been Calibrated in accordance with ISO/IEC 17025:2017 and ISO 9001:2015.

Yastronics Laboratory Calibration reference Standards used in this calibration are traceable to the National Measurement and Calibration Center (NMCC) and/or National Metrology Institutes (NMI's) or other recognized ISO/IEC 17025 accredited Laboratories or Self-Calibration Techniques.

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Uncertainties of the measurements (if Specified) are based upon a coverage factor of k=2 providing an approximate 95% confidence level.

This certificate shall not be corrected or reproduced except in full, without the written approval from Yastronics Laboratory.

Environmental condition:

Temperature : (22 ± 2) °C Relative humidity : (40 ± 15) %RH

Calibrated By



Operational Engineer

Reviewed By



Technical Manager

Approved By

Signature of Laboratory Manager

Laboratory Manager

YL-FMT-PR-SRV-006-001/V-001/W.a.f: 01-10-2019

Page 1 of 2

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شركة مجموعة المهيب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



مختبر ياس ترونكس
YASTRONICS LABORATORY
For Calibration للمعايرة

CALIBRATION CERTIFICATE

Certificate No : YAS57679
Customer Name : Al Muhaileb Cruuehr
Address : As Sulay, Riyadh, Kingdom of Saudi Arabia

Instrument / Device Identification			
Description	Aggregate Scale	Model	DK710M
Manufacturer	Mesomatic	Serial No	1404110
Range	10 Ton	ID No	---
Location	Batching Area - Wet	Work Order No	WRK285
Date of receipt	: 25 October 2020	Date of Issue	: 28 October 2020
Calibrated on	: 26 October 2020	Calibration Due Date	: 26 October 2021
Result Type	: With Adjustment Performed		

Calibration Procedure : YL-WS-002
Reference Standard : Euramet cg-18

Yastronics Laboratory Certifies that the above listed instrument has been Calibrated in accordance with ISO/IEC 17025:2017 and ISO 9001:2015.

Yastronics Laboratory Calibration reference Standards used in this calibration are traceable to the National Measurement and Calibration Center (NMCC) and/or National Metrology Institutes (NMI's) or other recognized ISO/IEC 17025 accredited Laboratories or Self-Calibration Techniques.

This Calibration certificate applies only the instrument / device described above and the measurement results are recorded on the following pages.

Uncertainties of the measurements (if Specified) are based upon a coverage factor of $k=2$, providing an approximate 95% confidence level.

This certificate shall not be corrected or reproduced except in full, without the written approval from Yastronics Laboratory.

Environmental condition:

Temperature : $(22 \pm 2) ^\circ\text{C}$

Relative humidity : $(40 \pm 15) \%RH$

Calibrated By



Operational Engineer

Reviewed By



Technical Manager

Approved By

Laboratory Manager

YL-FMT-FR-SRV-006-001/V-001/W.e.f: 01-10-2019

Page 1 of 3

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شركة مجموعة المهيلب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



مختبر ياس ترونكس
YASTRONICS LABORATORY
For Calibration للمعايرة

CALIBRATION CERTIFICATE

Certificate No : YAS57823
Customer Name : AL Muhaileb Cruwehr
Address : As Sulay,Riyadh,Kingdom of Saudi Arabia

Instrument / Device Identification

Description	Water Scale	Model	DK710
Manufacturer	Mesomatic	Serial No	1404146
Range	1000 Kg	ID No	----
Location	Batching Area-Wet	Work Order No	WRK285

Date of receipt : 25 October 2020 Date of Issue : 28 October 2020
Calibrated on : 26 October 2020 Calibration Due Date : 26 October 2021
Result Type : No Adjustment Performed

Calibration Procedure : YL-WS-002
Reference Standard : Euramet cg-18

Yastronics Laboratory Certifies that the above listed instrument has been Calibrated in accordance with ISO/IEC 17025:2017 and ISO 9001:2015.

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This Calibration certificate applies only the instrument / device described above and the measurement results are recorded on the following pages.

Uncertainties of the measurements (if Specified) are based upon a coverage factor of k=2 providing an approximate 95% confidence level.

This certificate shall not be corrected or reproduced except in full, without the written approval from Yastronics Laboratory.

Environmental condition:

Temperature : (22 ± 2) °C Relative humidity : (40 ± 15) %RH



Calibrated By



Operational Engineer

Reviewed By



Technical Manager

Approved By

Laboratory Manager

YL-FMT-PR-SRV-006-001/V-001/W.a.f.01-10-2019

Page 1 of 3

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شركة مجموعة المهيلب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS

شركة دي سي بي السعودية



Quality Control Certificate

Product Name: Hyperplast PC198

We confirm and guarantee that Hyperplast PC198 is manufactured to meet the standards and all technical data mentioned in its data sheet, you can find below the results of the quality control tests which have been conducted on the below mentioned batch number(s).

The tests which have been conducted under 25 °C:

Required Tests & Allowed Limits								
Batch No.	Production Date	Supply Date	Expiry Date	Appearance	Specific Gravity ISO758	pH ISO4316	Solid content(%) EN 480-8	Conclusion
				Brownish liquid	1.020 - 1.060	4 - 7	13.50 - 16.50	
M5488	Jul-21	28-Jul-21	Jul-22	OK	1.051	6.20	15.74	Complies
M5487	Jul-21	28-Jul-21	Jul-22	OK	1.049	6.06	15.56	Complies

Malkhdour
Quality Control Department

QC PASSED
DCP - SAUDI

DCP Saudi
P.O.Box 121116 Riyadh 11659
Kingdom of Saudi Arabia
Tel.: +966 11 211 2350
Fax: +966 11 211 2350 Ext.105
Info.saudi@dcp-int.com
www.dcp-int.com





QUALITY SYSTEM

MGC's quality system covers the requirements for ready-mix (RMC) and shall govern the materials used, storing, handling, proportioning, mixing, testing, evaluation and acceptance of concrete.



The entire Quality Control System (QCS) based upon:

- ✓ (ASTM) American Society for Testing and Materials
- ✓ (ACI) American Concrete Institute
- ✓ (BS) British Standard
- ✓ (SSA) Saudi Arabian Standard Organization





شركة مجموعة المهيلب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



مختبر ياس ترونكس
YASTRONICS LABORATORY
For Calibration
للمعايرة

CALIBRATION CERTIFICATE

Certificate No : YAS57824
Customer Name : AL Muhaileb Center
Address : As Sulay,Riyadh,Kingdom of saudi Arabia

Instrument / Device Identification			
Description	Cement Scale	Model	331799-29
Manufacturer	Societa Odeca SNC	Serial No	010291
Range	5 Ton	ID No	----
Location	Batching Area-Dry	Work Order No	Wrk-285

Date of receipt : 25 October 2020
Date of Issue : 28 October 2020
Calibrated on : 26 October 2020
Calibration Due Date : 26 October 2021

Calibration Procedure : YL-WS-002
Reference Standard : Euramet cg-18

Yastronics Laboratory Certifies that the above listed instrument has been Calibrated in accordance with ISO/IEC 17025:2017 and ISO 9001:2015.

Yastronics Laboratory Calibration reference Standards used in this calibration are traceable to the National Institute of Standards and Technology (NIST) and/or National Metrology Institutes(NMI's) or other recognized ISO/IEC 17025 accredited Laboratories or Self-Calibration Techniques.

This Calibration certificate applies only the instrument / device described above and the measurement results are recorded on the following pages.

Uncertainties of the measurements (if Specified) are based upon a coverage factor of $k=2$ providing an approximate 95% confidence level.

This certificate shall not be corrected or reproduced except in full, without the written approval from Yastronics Laboratory.



Environmental condition:

Temperature : On-Site
Relative humidity : On-Site
Pressure : On-Site

Calibrated By



Operational Engineer

Reviewed By



Technical Manager

Approved By



Laboratory Manager

YL-FMT-PR-SRV-006-001/V-001/W.e.f: 01-10-2019

Page 1 of 3

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شركة مجموعة المهيلب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



Certificate of Registration

Certificate Nr. 18MS261201
Issue Date. December 26, 2018
IAS UIC Code: MSCB-107-5814-4

STAREGISTER certifies that, after successful auditing, the
Management System of

Al-Mehailib Group of Factories

located at
PO Box 2573, Al Rayyan Dist., Al-Qassim, Saudi Arabia

was found to comply to the requirements established in the standard:

ISO 9001:2015

"Quality management systems – Requirements"

with the Scope:
General Contractors for Construction and Supplier of Building Materials
IAF Sector Code: 29

Initial Certification : December 26, 2018
Expiry Date : December 26, 2021
1.surveilliance :
2.surveilliance :


Certification Manager



www.staregister.org

150 N. Michigan Ave
Suite 2800
Chicago, IL 60601

F1001-7





شركة مجموعة المهيلب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS





SOURCE OF MATERIALS

MGC Choice carefully the raw materials' sources:

- ❖ Cement (SRC & OPC) : Yamama Cement Co.
: Al Madinah Cement Co.
- ❖ Coarse Aggregate : Al Muhailib Group Crushers
- ❖ Silica : Al Muhailib Group Crushers
- ❖ Dune Sand : Al Harthy Crushers
- ❖ Water : A well in plant premises
- ❖ Admixtures : DCP Company, Riyadh
- ❖ Micro Silica Fume HR : Sika Company, Riyadh
CIC, Riyadh



شركة مجموعة المهيب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS

اسمنت اليمامة

YAMAMA CEMENT

Ordinary Portland Cement (Type I)
SASO.GSO 1914/2009
TRADE MARK ISSUED FROM SAUDI ARABIAN STANDARD
Sampling Date: 26/06/21-01/07/21

اسمنت بورتلاندي عادي (رقم 1)
حسب المواصفة السعودية و الخليجية
حاصل على علامة الجودة من المواصفات القياسية السعودية
تاريخ العينة

CHEMICAL ANALYSIS				
Test Parameters		Units	Test Results	Specifications (SASO/GSO)
SILICON DI OXIDE	SiO ₂	%	19.81	
ALUMINIUM OXIDE	Al ₂ O ₃	%	5.47	
FERRIC OXIDE	Fe ₂ O ₃	%	3.97	
CALCIUM OXIDE	CaO	%	64.76	
MAGNESIUM OXIDE	MgO	%	0.80	5.00 Max
SULPHUR TRI OXIDE	SO ₃ (C ₃ A≥8.00)	%	-	3.50 Max
	SO ₃ (C ₃ A≤8.00)	%	2.55	3.00 Max
CHLORIDE	CL	%	0.01	0.10 Max
LOSS ON IGNITION	LOI	%	1.52	3.00 Max
INSOLUBLE RESIDUE	LR	%	0.34	1.50 Max
TOTAL ALKALIES	Na ₂ O+0.65* K ₂ O	%	0.17	
TRI CALCIUM ALUMINATE	C ₃ A	%	7.78	
PHYSICAL TESTS				
SETTING TIME (VICAT METHOD)	INITIAL	Minutes	110	45 Min
	FINAL	Minutes	153	375 Max
FINENESS- SPECIFIC SURFACE	BLAINE	cm ² /g	3465	2800 Min
AIR CONTENT		%	5.00	12.0Max
SOUNDNESS	AUTO CLAVE	%	0.03	0.80 Max
HEAT OF HYDRATION	(7 DAYS)	KJ/KG	318	
COMPRESSIVE STRENGTH (Mpa)				
SASO.GSO: 1914/2009				
	Test results		Specifications requirement	
3 DAYS (Minimum)	26.00		12	
7 DAYS (Minimum)	35.00		19	
28 DAYS (Minimum)	44.00		28	
REMARKS	1). Our Product is low alkali content. 2). Our Product Comply With ASTM C150.			

مدير الجودة والتعدين
Quality and Mining Manager

رئيس الجودة والمختبرات
Chief of Quality & Labs

Issue Date 1/1/2018 2018/1/1 تاريخ الإصدار Form No : QR 860-9 رقم النموذج Issue No. 0/1 رقم الإصدار



شركة مجموعة المهيلب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS

اسمنت اليمامة

YAMAMA CEMENT

Sulphate Resisting Cement (Type V)
SASO.GSO 1914/2009

TRADE MARK ISSUED FROM SAUDI ARABIAN STANDARD

Sampling Date:05/06/21-10/06/21

أسمنت مقاوم للكبريتات (رقم 5)

حسب المواصفة السعودية و الخليجية

حاصل على علامة الجودة من المواصفات القياسية السعودية

تاريخ العينة

CHEMICAL ANALYSIS				
Test Parameters		Units	Test Results	Specifications (SASO/GSO)
SILICON DI OXIDE	SiO ₂	%	20.12	
ALUMINIUM OXIDE	Al ₂ O ₃	%	4.94	
FERRIC OXIDE	Fe ₂ O ₃	%	5.02	
CALCIUM OXIDE	CaO	%	64.12	
MAGNESIUM OXIDE	MgO	%	0.84	5.00 Max
SULPHUR TRI OXIDE	SO ₃	%	2.22	2.30 Max
CHLORIDE	CL	%	0.01	0.10 Max
LOSS ON IGNITION	LOI	%	2.23	3.00 Max
INSOLUBLE RESIDUE	I.R	%	0.47	1.50 Max
TOTAL ALKALIES	Na ₂ O+0.65*K ₂ O	%	0.16	-
TRI CALCIUM ALUMINATE	C ₃ A	%	4.60	5.00 Max
C4AF		%	15.28	
C4AF + 2 (C3A)		%	24.48	25.00 Max
PHYSICAL TESTS				
SETTING TIME (VICAT METHOD)	INITIAL	Minutes	115	45 Min
	FINAL	Minutes	155	375 Max
FINENESS- SPECIFIC SURFACE	BLAINE	cm ² /g	3451	2800 Min
AIR CONTENT		%	5.00	12.0Max
SOUNDNESS	AUTO CLAVE	%	0.02	0.80% Max
HEAT OF HYDRATION	(7 DAYS)	KJ/KG	281	
COMPRESSIVE STRENGTH (Mpa)				
SASO . GSO: 1914/2009				
	Test Results		Specifications requirement	
3 DAYS (Minimum)	22.00		8	
7 DAYS (Minimum)	28.00		15	
28 DAYS (Minimum)	41.00		21	
REMARKS	1). Our Product is low alkali content. 2). Our Product Comply With ASTM C 150.			

مدير الجودة والتعدين
Quality and Mining Manager

رئيس الجودة والمختبرات
Chief of Quality & Labs

Form No : QR 860-10: رقم النموذج

Issue Date 1/1/2018

2018/1/1 تاريخ الإصدار

Issue No. 0/1 1/0 رقم الإصدار



DESCRIPTION OF CONCRETE MATERIALS

Coarse Aggregate

Initial survey has been performed to our Quarry's situated in Riyadh region for the acceptance of crushed rock for use of coarse aggregate in ready-mix concrete. For this purpose samples are collected from different places and layers. These samples are tested physically & chemically.

After the satisfactory results from the independent laboratory blasting and crushing will start simultaneously and initial grading is established by using standard set of sieves for different grades. This initial graded material is delivered to our batching plants to their respective stock piles.

From this stock piles once again samples are collected and send to our main laboratory for routine mentioned in the schedule attached.

Fine Aggregate

Natural fields are identified both for the coarse & fine sand which are free from deleterious substances and samples are collected from different places & layers and these samples are send to independent laboratory for physical & chemical tests.

After the arrival of satisfactory results the same materials are sieved, washed & delivered to our batching plant stock piles.

From this stock piles again samples are taken and send to our main laboratory for the routine tests mentioned as per the schedule.

Water:

As per the geotechnical survey, we found abundant quantity of water in our plant premises . Two bore wells are established and this water samples are send to independent laboratory for their tests. After the satisfactory data is receive, this water is stored in an underground water tanks of capacity 200,000 liters, which is well covered and chillers are connected to maintain the temperature. From this water tank periodic samples are taken and send to our main laboratory for routine tests.



QUALITY SINSPECTION

- ✚ As for as quality inspection and quality control is concern, we are here to state you that our technical staff will be available at the time of pouring of concrete to conduct the test of fresh and hardened concrete in the presence of consultant engineer.
- ✚ **Batching & Mixing**
- ✚ We are batching at a central batching plant and mixing in a transit mixer with the rated capacity of the transit mixer.
- ✚ The net water and admixtures are added as per the mix design / class of concrete with our batching plants digital gauges for water admixtures.
- ✚ As materials are concern we are conducting most of the quality tests in our main laboratory in Riyadh and some tests in independent laboratories, such as:
 - Yastronics Laboratory – Riyadh
 - DCP Saudi - Riyadh
 - Riyadh geotechnique & foundations co – Riyadh
 - Omar Jazzar consulting engineers – Riyadh
 - Al Hoty Stanger – Riyadh



SELECTED PROJECTS



Saudi German Hospital - Riyadh



King Salman Hospital - Riyadh



Manarat Al-Riyadh Schools - Riyadh



National Guard Housing Complex - Riyadh



General Department of Water – Al- Qassim



Dr. Sulaiman Al Habib Hospital – Al qassim



شركة مجموعة المهيلب للمنتجات الاسمنتية

AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS



Emirate of Al Qassim Province



Mövenpick Hotel Qassim



Agriculture Development Bank



King Fahd Mosque Complex - Ayun Al Jawa



Buraidah Central Hospital



Shariyah Court Complex - Al Qassim



شركة مجموعة المهيلب للمنتجات الاسمنتية
AL MUHAYLIB GROUP COMPANY FRO CEMENT PRODUCTS

تليفون : ٢٤٤١٤٨٠ / ٢٤٤٠٥٧١ / ٢٤٤٠٥٦٨ التشغيل : ٢٤٤٠٦٤٥ فاكس : ٢٤٤٠٥٦٩
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