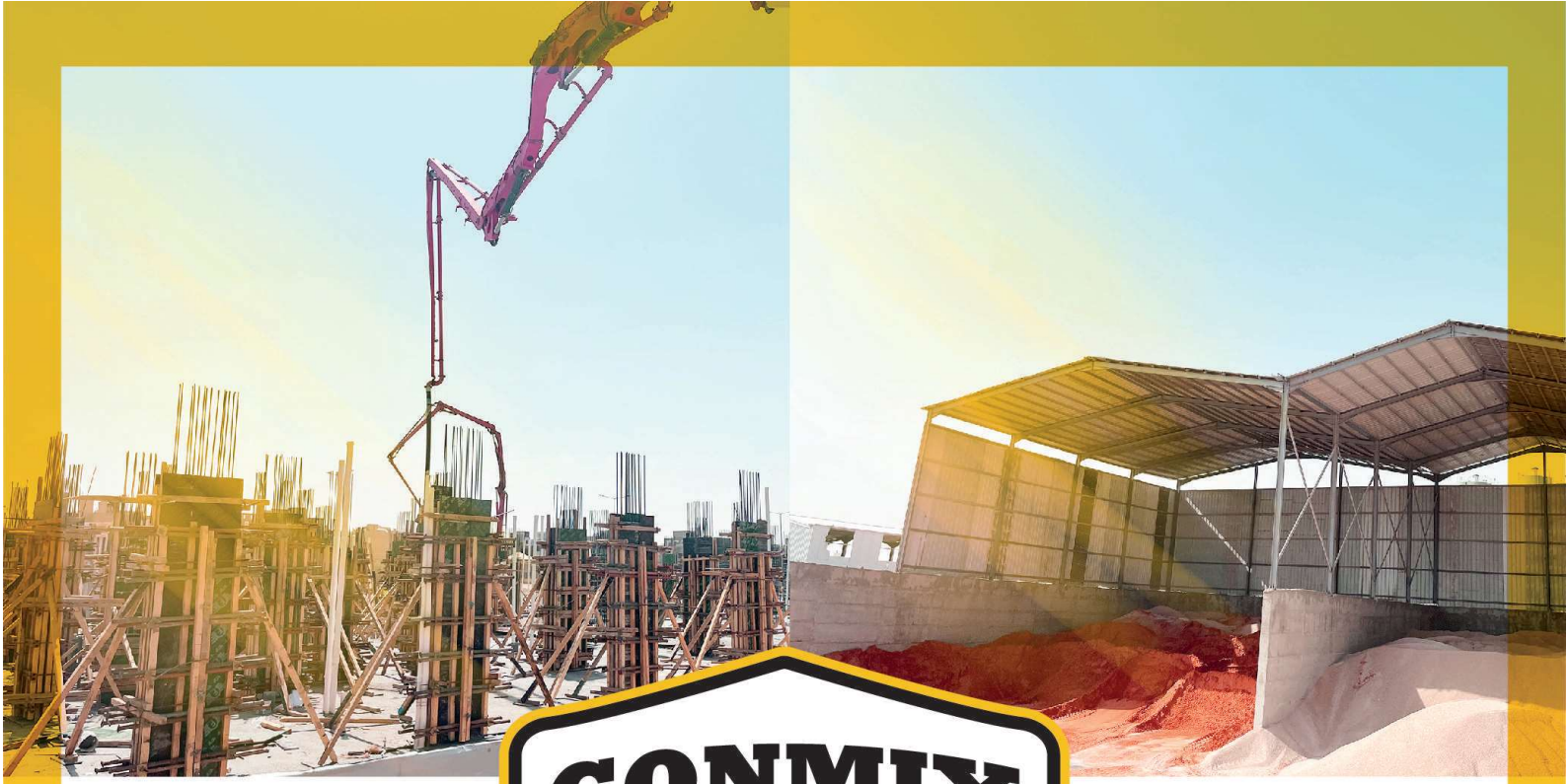




نشرة تعريفية

شركة كون مكس للخرسانة الجاهزة

WWW.CONMIX.SA



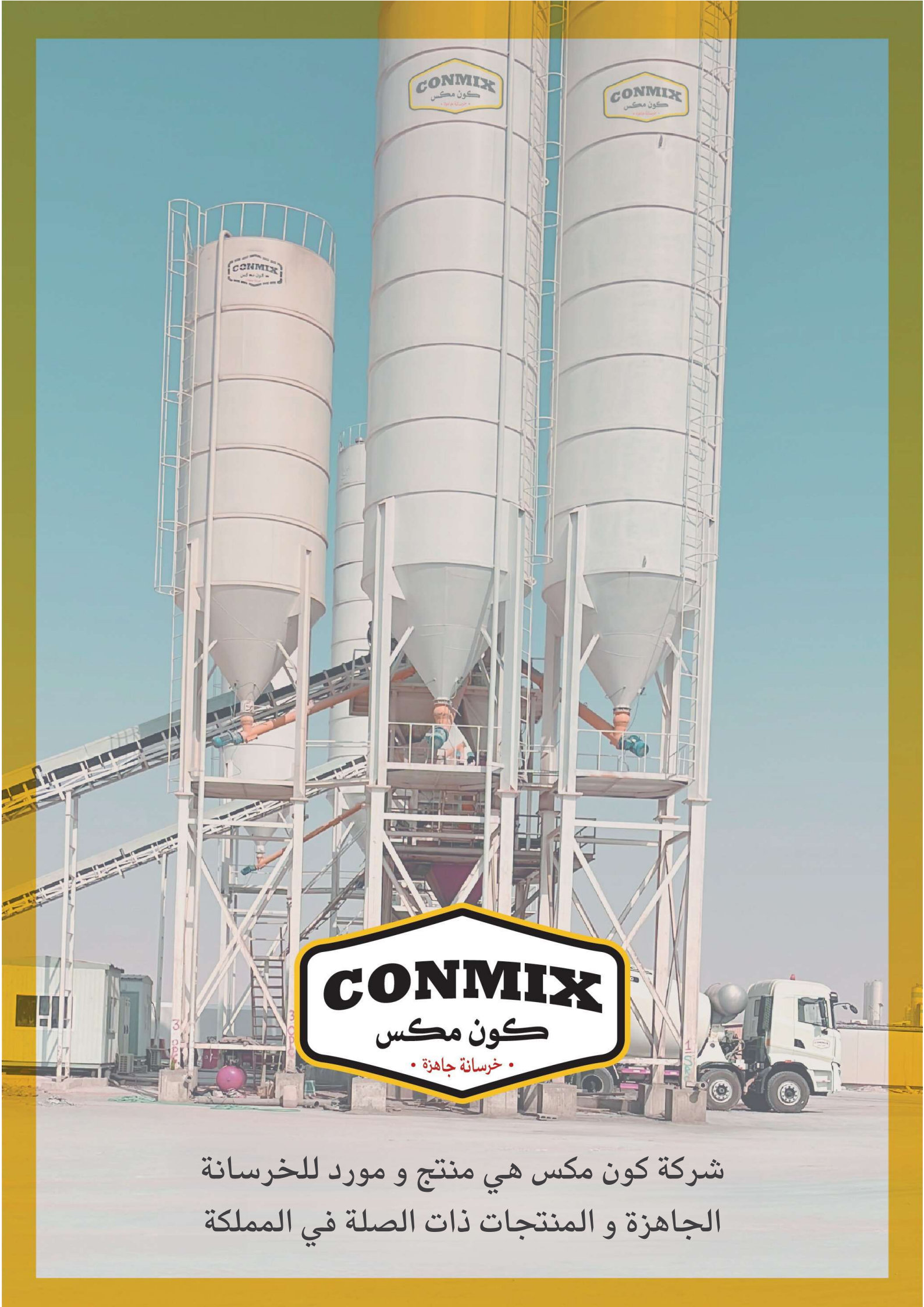
CONMIX

كون مكس

• خرسانة جاهزة •

لقد سعينا دائماً منذ بدء عملياتنا إلى توفير الجودة و الاهتمام بالعملاء ، وتعتمد كون مكس للخرسانة الجاهزة على أحدث المحطات والمعدات ذات الانظمة التكنولوجية التي تعمل الخلطات الخرسانية على مستويات عالية الجودة، ورغم حداثة تكوين الشركة، إلا أنها تمتلك سمعة ممتازة بجودة انتاج الخرسانة الجاهزة، مما أكسبها ثقة عملائها، وجعلها مؤهلة للدخول في مشاريع عملاقة وهامة .

رئيس مجلس الإدارة
عبدالله بن عبدالعزيز اليحيى



CONMIX
كون مكس
• خرسانة جاهزة •

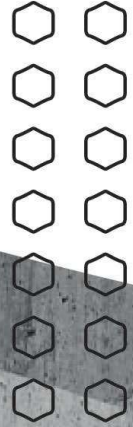
شركة كون مكس هي منتج و مورد للخرسانة
الجاهزة و المنتجات ذات الصلة في المملكة

الرؤية

أن نكون خياراً أولاً ومستداماً لحلول الخرسانة الجاهزة.

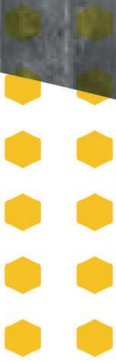
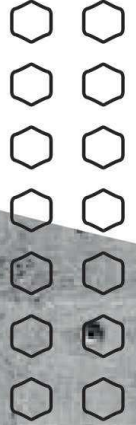
VISION

To be the First Choice for Sustainable Ready Mix Concrete Solutions.



الأهداف

- توفير أفضل الحلول المناسبة لتلبية احتياجات العملاء بكفاءة عالية.
- الاستفادة من أحدث التنقيات في صناعة مواد البناء والتشييد.
- تحقيق أعلى معايير النجاح المشترك.

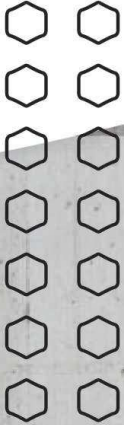


MISSION

- Providing the best solutions to meet the needs of customers with high efficiency.
- Utilizing the latest technology in the building and construction materials industry.
- Achieving the highest standards of joint success.

القيم

- الأخلاق - نلتزم بالنزاهة والخلق الشريف في كل أعمالنا.
- التميز - التكرار يمنحنا الإتقان، والإتقان يمنحنا التميّز.
- التمكين - نستثمر في الطاقات البشرية.
- الجودة - شغوفون بتقديم جودة ذات بصمة في السوق.
- السلامة - نهتمّ بالسلامة في مكان العمل كأولوية قصوى.



VALUES

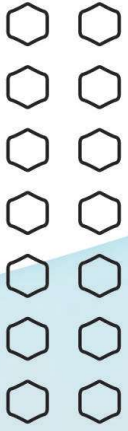
- **Ethics**
Ethics and integrity in all that we do.
- **Excellence**
We are what we repeatedly do, excellence is not an act but a habit.
- **Empowering employees**
Our employees are our great asset.
- **Emphasis on Quality**
We are passionate about delivering quality results.
- **Ensuring Safety**
Providing a safe and hazard free workplace is an absolute priority.

عن الشركة

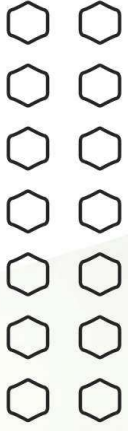
نحن شركة متخصصة بصناعة الخرسانة الجاهزة بالمملكة وفق أحدث التقنيات، من خلال خلاطات مركزية أوروبية وبمعدات حديثة ومضخات بأطوال متنوعة تلبي حاجة عملائنا. وتتم متابعة جودة منتجاتنا من خلال فريق فني ومختبرات متخصصة وفق أعلى معايير السلامة والجودة الحاصلة على عدة شهادات عالمية، وتتوفر منتجاتنا في مدينتي الرياض وجدة.



معرض الصور



معرض الصور



المستندات الرسمية

OFFICAL PAPERS



٧٠٢٥٤٨٢٠٠٦

الرقم الموحد :
رقم المنشأة :
التاريخ :

١٠١٠٧٣٦١٧٤
١٤٤٣/١١/١٤ هـ

شهادة تسجيل الشركة Company Registration Certificate



وزارة التجارة
Ministry of Commerce

الاسم التجاري للشركة : شركة كون مكنس للخرسانة الجاهزة شركة شخص واحد
نوعها : ذات مسئولية محدودة

مدة الشركة : ٥٠ سنة
مركزها الرئيسي : طريق الإمام سعود بن عبدالعزيز بن محمد، حي المرسلات، ٧٨٣٢

هاتف :
الرمز البريدي : ١٢٤٦٣

النشاط : للاطلاع على بيانات الأنشطة الرجاء مسح الرمز التجاري

رأس المال : ٢٥,٠٠٠ ريال سعودي

المديرون : 1 : عبدالله بن عبدالعزيز بن عبدالرحمن الجحى

2 : احمد بن عبدالعزيز بن عبدالرحمن الجحى

3 : عبدالمجيد عبدالعزيز بن عبدالرحمن الجحى

4 :
5 :
6 :
7 :
8 :
9 :
10 :
11 :
12 :
13 :
14 :
15 :
16 :

سلطات المدير/المديرون : حسب ما نص عليه عقد الشركة

يشهد مكتب السجل التجاري بمدينة : الرياض

وتنتهي صلاحية الشهادات في : ١٤٤٩/١١/١٤ هـ

بأنه تم تسجيل الشركة المذكورة أعلاه بمدينة : الرياض

بموجب الإيصال رقم : ١٢٠٥٣٨٥٠٩

وتاريخ : ١٤٤٤/٠٤/١٤ هـ





بلدي
balady



رخصة نشاط تجاري Commercial Activity Licence كون مكس للخرسانة الجاهزة

License Expiry Date	تاريخ نهاية الترخيص	License Number	رقم الرخصة الموحد
1445/09/14		440811715751	

Owner's Name	اسم المالك
شركة كون مكس للخرسانة الجاهزة شركة شخص واحد	

Owner's ID	رقم هوية المالك
7025482006 - 1010736174	

ISIC Classification	التصنيف الصناعي القياسي الدولي (نشاط ايزك)
صناعة الخلطات الخرسانية الجاهزة والجافة متعددة الاستخدامات	

Detailed Activity	النشاط التفصيلي
مصنع صناعة الخلطات الخرسانية الجاهزة والجافة متعددة الاستخدامات	

Sub-Municipality	البلدية	Municipality	الأمانة
بلدية شمال الرياض		أمانة منطقة الرياض	

Street	الشارع	District	الحي
شارع		الخير	

Shop's Sign's Area	مساحة اللوحات الإعلانية	Shop's Total Area	مساحة المحل الإجمالية
15 متر مربع ارشادي 0 متر مربع اعلاني		15000 متر مربع	



موقع المحل

للإطلاع على الأنشطة الإضافية وتفاصيل الرخصة يرجى مسح رمز الاستجابة السريع Code QR

Permit Expiry Date	تاريخ انتهاء التصريح	Permit Number	رقم التصريح	Permits	التصاريح
--------------------	----------------------	---------------	-------------	---------	----------

هذا الترخيص لا يخول البدء بالانتاج الا بعد الحصول على تراخيص الجهات ذات العلاقة



مركز الدعم الفني

199040



Balady_cs



saudimomra



www.balady.gov.sa



ترخيص منشأة صناعية

استثمار وطني



رمز المنشأة ١٠٠١٣١٧٨ نوع القرار جديد
تاريخ القرار ١٤٤٤-١٢-٢٥ تاريخ الترخيص
تاريخ الانتهاء ١٤٥٠-٠٢-٢٠ رقم القرار ٤٤١١٠١١٢٧٩٨٠

اسم المنشأة الصناعية شركة كون مكس للخرسانة الجاهزة
السجل التجاري للمنشأة الصناعية ١٠١٠٧٣٦١٧٤
مالك المنشأة شركة كون مكس للخرسانة الجاهزة (شركة شخص واحد)
رقم السجل التجاري الرئيسي ١٠١٠٧٣٦١٧٤
النشاط الرئيسي صنع أصناف من الخرسانة والأسمنت والجص / ٣٩٥

عدد العمالة ١٢٧
حجم الاستثمار ٨٩٣٦٥٥٤.١٢
مائة و سبعة و عشرون فرداً
تسعة و ثمانون مليون و مائتين و خمسة و ستون ألفا و خمسمائة و أربعة و خمسون ريال و إثني عشر هلاله

الوحدة	الطاقة الانتاجية	النشاط الصناعي	وصف المنتج	رمز المنتج
متر مكعب	٢٤٠٠٠٠٠	انتاج خرسانة جاهزة الخلط / ٣٩٥٣١	خرسانة جاهزة	٣٨١٦٠٠٠٠

وزير الصناعة والثروة المعدنية

بندر بن إبراهيم الخريف





ترخيص
License

الهيئة العامة للنقل
TRANSPORT GENERAL AUTHORITY

نقل البضائع على الطرق البرية Road Freight Transport

License Number: 11/00017678

License Type: Main

Issue Date: 1443-07-14

Expiration Date: 1446-07-14

رقم الترخيص: 11/00017678

نوع الترخيص: رئيسي

تاريخ الإصدار: 1443-07-14

تاريخ الإنتهاء: 1446-07-14

Organization Name: Con Mix Concrete Company

اسم المنشأة:

شركة كون مكس للخرسانة الجاهزة شركة
شخص واحد

CR Name: شركة كون مكس للخرسانة الجاهزة (شركة
شخص واحد)

اسم السجل التجاري:

شركة كون مكس للخرسانة الجاهزة (شركة
شخص واحد)

ID Number: 7025482006

رقم هوية المنشأة:

CR Number: 1010736174

رقم السجل التجاري:

Region: Riyadh

المنطقة:

City: Riyadh

المدينة:

Address: ALKHER, 3484 12463

العنوان: حي الخير، مخطط رقم 3484 12463

*هذه الوثيقة صادرة من النظام الآلي ولا تحتاج إلى توقيع

المملكة العربية السعودية
وزارة الداخلية
المديرية العامة للدفاع المدني



تاريخ الاصدار	١٤-٠٩-١٤٤٤ هـ
صالح حتى	١٤-٠٩-١٤٤٥ هـ
الرقم	٤٤-٠٢-١٢٨٧٠٢-٠٠١١

تصنيف المنشأة	اسم النشاط	المساحة	عدد الادوار
٢٣٩٥٣٤ - صناعة الخلطات الخرسانية الجاهزة والجافة متعددة	كون مكس للخرسانة الجاهزة	١٥٠٠٠	١

اسم المستأجر / المالك	رقم السجل المدني	رقم السجل التجاري	رقم رخصة البلدية	تاريخ رخصة البلدية	تاريخ انتهاء رخصة البلدية
شركة كون مكس للخرسانة	٧٠٢٥٤٨٢٠٠٦	١٠١٠٧٣٦١٧٤			

المنطقة	المدينة / المحافظة	الحي	الشارع	رقم القطعه
منطقة الرياض	الرياض	الخير	شارع	٢٧

اسم الجهة القائمة بصيانة انظمة السلامة	اسم الجهة القائمة بصيانة المصاعد	اسم شركة التأمين	رقم بوليصة التأمين
مؤسسة العربية للسلامة			

تاريخ الكشف	جهة اصدار الترخيص	مدير السلامة
١٢-٠٩-١٤٤٤	مركز السلامة الميدانية بشمال الرياض	نقيب/سعيد حسن مرعي القحطاني



هذه الوثيقة موقعة ومصدقة إلكترونياً ولا تحتاج توقيع يدوي وفقاً لقرار مجلس الوزراء رقم ٨ وتاريخ ١٤٢٨/٠٣/٠٧ هـ المنظم للتعاملات الإلكترونية. وللتأكد من صحة الرخصة يرجى زيارة موقع المديرية العامة للدفاع المدني على الرابط التالي (www.998.gov.sa) وإدخال رقم الرخصة المذكور أعلاه - الإدارة العامة لتقنية المعلومات



تصريح بيئي

0551850607	هاتف	شركة كون مكس للخرسانة الجاهزة شركة شخص واحد	اسم المنشأة
	فاكس	EPOPP-2023-000922	رقم الطلب
12463	الرمز البريدي		العنوان
		انتاج خرسانة جاهزة الخلط	النشاط
0	صندوق البريد	1010736174	السجل التجاري
الرياض	المدينة	الرياض	مصدره
01/05/2026	تاريخ الإنتهاء	01/05/2023	تاريخ الاصدار
التشغيل	حالة المشروع	2	فئة المشروع
		خط العرض(شرقا)	خط الطول(شمالا)
		46.381964	25.1133256

تم الاطلاع على مسوغات الطلب رقم (EPOPP-2023-000922) من قبل المختصين لدينا واتضح ان نشاط المنشأة يصف حسب نظام البيئة ضمن المشاريع ذات التأثيرات البيئية المحدودة، عليه لا مانع من مزاوله النشاط مع الالتزام بالاشتراطات التالية:

- الالتزام بالمقاييس والمعايير والاشتراطات الصادرة من المركز الوطني للمراقبة على الالتزام البيئي
- السماح للتقنيين والمختصين بالمركز بالدخول للمنشأة في اي وقت
- في حال تعديل او اضافة او تغيير او توسعة في النشاط أو وجود خطأ في البيانات المقدمة من صاحب الطلب يعتبر التصريح لاغي
- يجب اشعار المركز مسبقا عند الرغبة في استخدام او استرجاع اي مخلفات صناعية ضمن عمليات التصنيع واطلاع مختصينا على التقنية والطريقة المتبعة في هذا الخصوص
- يعتبر هذا التصريح خاص بالموقع الموضح عنوانه وفي حال تغيير الموقع يلزم الحصول على تصريح للموقع الجديد
- التخلص من مخلفات المصنع وذلك بالتعاقد مع إحدى الجهات المختصة
- الرام العمال على التقيد باشتراطات الصحة والسلامة المهنية
- يجب موافقة الجهات ذات العلاقة على صلاحية الموقع لممارسة النشاط
- اي كشط أو تعديل في التصريح يعتبر لاغي



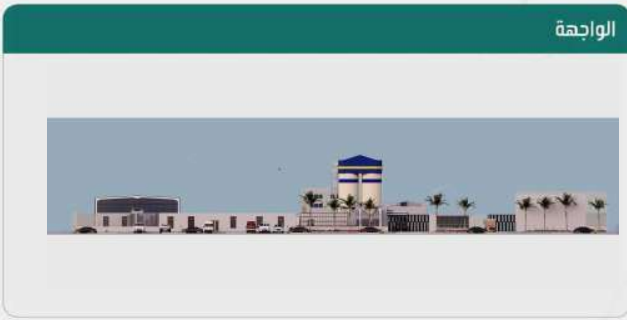


رخصة بناء

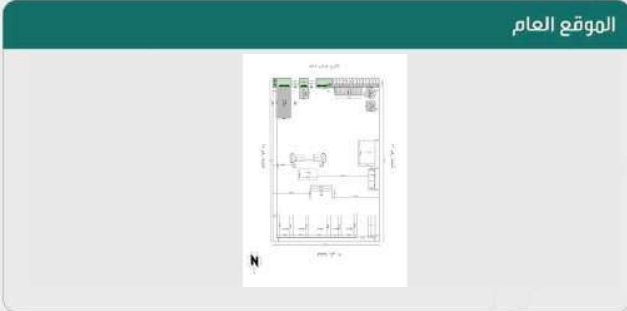
إصدار	نوع الطلب
منطقة الرياض	الذمائية
الإدارة العامة للتراخيص	البلدية

رقم الإخصة	٣٨٦٤
نوع الإخصة	رخصة بناء
حالة الإخصة	سارية
تاريخ إصدارها	١٤٤٣-٠٧-٠٥
تاريخ إنتهائها	١٤٤٦-٧-٠٥

اسم صاحب الإخصة	شركة كون مكس للخرسانة الجاهزة (شركة شخص واحد)	رقم الهوية	١٠١٠٧٣٦١٧٤	نوع الهوية	السجل التجاري
نوع وثيقة الملكية	عقد	رقم وثيقة الملكية	٠١٨	تاريخ وثيقة الملكية	
نوع البناء	صناعي وحرفي	رقم قطعة الأرض	٢٧	رقم المخطط	٣٤٨٤
الحي	حي الخير	وصف المبنى			



الجهة	حدودها	البروز	الأبعاد (م)	الارتداد (م)
شمال	قطعة رقم ١٦		١٠٠	٤
شرق	قطعة رقم ٢٨		١٥٠	٤
جنوب	شارع عرض ٤٠ متر		١٠٠	٦
غرب	قطعة رقم ٢٦		١٥٠	٤
مساحة الأرض		١٥٠٠٠		٢م



اسم المكون	عدد الوحدات	الاستخدام	عدد الأدوار	المساحة
دور أرضي	١	اداري+خدمات	١	٧١,١٥
دور أرضي	١	اداري+خدمات	١	٩١,٣٥
دور أرضي	١	استقبال+ادارة	١	٢٠٤,١٦
دور أرضي	١	مصلى	١	٧٢,٢١
أسوار	٠	خدمات	١	٥٠٠
مساحة البناء الكلي		١٧٠٩,١٢	نسبة البناء	١١,٣٩

*لاستعراض بقية مكونات البناء اسبح الباركود الذي في الأعلى



المكتب الهندسي المهمم	خطوات وشركاؤه للاستشارات الهندسية - الرياض
-----------------------	--

إحداثيات الموقع	الشماليات:
	الشرقيات:

الإرسوم المستحقة على الإخصة	٤٠٣٩,٥
و تم سدادها بموجب الإيصال رقم	٤٣٠٥٠١١٨٤
بتاريخ	١٤٤٣-٠٧-٠٥

ملاحظات

- يلزم التعاقد مع مكتب هندسي مشرف ومقاول بناء معتمدين لدى الوزارة وتأمين ضد العيوب الخفية قبل البدء في البناء
- يجب الالتزام بتنفيذ العزل الحراري وفق قيم العزل الحراري المحددة بمخطط العزل الحراري. يلزم تنفيذ العزل الحراري ، عدم الاضرار بالمجاورين واستخدام سواتر الخيش على الشدات للمحافظة على سلامة المارة وخصوصية المنازل المجاورة عدم فتح شايبيك باتجاه الفلل السكنية بالملحق.
- رقم الرخصة في بلدي ٤٣٠٧٩٢٨٧٤٨٥ ورقم القرار المساحي في بلدي ٤٣٠٦٩٠٨٤٧١٩
- حجم المخلفات ٦٠٠

التاريخ ١٤٤٤/١٢/١٧
الموافق ٠٥/٠٧/٢٠٢٣
رمز الشهادة ٥٥٦٩٦٠٥٤

شهادة

إسم المنشأة : شركة كون مكس للخرسانة الجاهزة (شركة شخص واحد)

الرياض
السعودية

رقم الإشتراك : ٦١٢٠٨٣٣٩٨

رقم السجل التجاري : ١٠١٠٧٣٦١٧٤

مصدره :

رقما	كتابة	عدد المشتركين السعوديين
٣١	واحد و ثلاثون مشتركا	عدد المشتركين غير السعوديين
٧١	واحد و سبعون مشتركا	المجموع
١٠٢	مائة و اثنان مشتركا	

تشهد المؤسسة العامة للتأمينات الاجتماعية بأن المنشأة المذكورة أعلاه قد أوفت بالتزاماتها تجاه المؤسسة وفق البيانات المقدمة منها حتى تاريخ إصدار هذه الشهادة ، والتي تم منحها لتقديمها لأية جهة تطلبها ، وهي صالحة لجميع الأغراض التي نص عليها نظام التأمينات الاجتماعية في المادة (١٩/٦) منه.

هذه الشهادة سارية المفعول حتى ١٤٤٥/٠١/١٦ هـ.

يلزم التحقق من صحة وصلاحيه الشهادة عبر زيارة الرابط أدناه في الموقع الإلكتروني للمؤسسة العامة للتأمينات الاجتماعية عن طريق استخدام الرمز المعرف التالي :



www.gosi.gov.sa/vc

(الشهادة معتمدة من صاحب الصلاحيه ولا تحتاج إلى توقيع أو ختم)

ننهادة

www.gosi.gov.sa
800 1243344



تعد هذه الشهادة من الوثائق الإلكترونية الحكومية الرسمية ، ويحظر قطعيا تقليدها أو إدخال أي تعديلات عليها سواء بالإضافة أو الحذف أو التغيير في بياناتها أو غير ذلك من أنواع التعديل ، وتعد الشهادة لاغية إذا شابهها شيء من ذلك ، كما تعرض صاحبها للملاحقة النظامية أمام الجهات المختصة بالإضافة إلى مايفرضه نظام التأمينات الاجتماعية من عقوبات ، ولايجوز تداول الشهادة إلا في الأغراض التي أصدرت لأجلها وفقا لأحكام نظام التأمينات الاجتماعية ، والمؤسسة العامة للتأمينات الاجتماعية غير مسؤولة عن أي آثار أخرى مترتبة قبل الغير عن الشهادة وغير مسؤولة عن أي عملية تزوير أو تعديل تتم على البيانات الواردة فيها .

شهادة سعودة

رقم الشهادة 362790-13617227

تاريخ الإصدار 2023-06-07

تاريخ الانتهاء 2023-10-03

تاريخ التجديد 2023-07-05

رقم المنشأة 1-2309505

اسم المنشأة شركة كون مكس للرسالة الجاهزة (شركة شخص واحد)

حالة الشهادة نشط

رقم السجل التجاري 1010736174

الرقم الوطني الموحد 7025482006



تشهد وزارة الموارد البشرية والتنمية الاجتماعية بأن المنشأة المذكورة أعلاه حققت نسب التوطين المطلوبة منها

وتم منحها هذه الشهادة حسب طلبها

الشهادة معتمدة من صاحب الصلاحية ولا تحتاج إلى توقيع أو ختم



شهادة اشتراك Membership Certificate

غرفة الرياض
Riyadh Chamber

Membership No. :	661024	رقم العضوية الموحد :	661024
Date of Issue:	22/08/2021	تاريخ الاصدار:	2021/08/22
Membership Class :	Third	درجة العضوية :	الثالثة
Riyadh Chamber Certifies		تشهد الغرفة التجارية الصناعية بالرياض بأن	
Commercial Registration No.	1010736174	شركة كون مكس للخرسانة الجاهزة (شركة شخص واحد)	
Certificate Expires on	19/06/2027	مقيدة بالسجل التجاري / الترخيص رقم :	1010736174
		ينتهي سريان هذه الشهادة في	2027/06/19

الخدمات الإلكترونية
E-SERVICES

الخدمات الإلكترونية لغرفة الرياض - بوابة أعمال © Riyadh Chamber E-Services

920004565

- يلزم التحقق من الوثيقة عبر الرابط <https://mybusiness.chamber.sa> أو تطبيق (سند)
- للأجهزة المحمولة أو الرقم الموحد دون ادنى مسؤولية على الغرفة عن محتوى الوثيقة.
- تعد هذه الورقة من الوثائق الإلكترونية لغرفة الرياض، ويمنع تعديلها اول محاولة العبث بها وتصبح لاغية حال محاولة تعديلها وتعرض صاحبها للملاحقة القانونية.

شهادة عضوية
الدرجة السادسة

نشهد بأن
شركة كون مكنس للخرسانة الجاهزة شركة شخص واحد

Is a registered member

Unified Number	7031677706	رقم المنشأة
Date of Subscription	14/04/1444 - 2022/11/08	تاريخ الاشتراك
Expiry Date	14/04/1449 - 2027/09/15	تاريخ الانتهاء
Commercial Record/ License	4030491346	السجل التجاري / الرخصة
Release Date	14/04/1444 - 2022/11/08	تاريخ الاصدار
Expiry Date	14/04/1449 - 2027/09/15	تاريخ الانتهاء

عيسى

التوقيع



الختم



An electronic certificate, Scan the code to check the certificate's validity



تاريخ الإصدار: 2021/11/04
الرقم المميز: 3110092422



الهيئة العامة للزكاة والدخل
General Authority of Zakat & Tax



شهادة تسجيل في ضريبة القيمة المضافة VAT Registration Certificate

تشهد الهيئة العامة للزكاة والدخل بأن المكلف أدناه مسجل في ضريبة القيمة المضافة بتاريخ 2021/11/04

Hereby, The General Authority of Zakat & Tax (GAZT) certifies that the taxpayer below is VAT registered on 04/11/2021

اسم المكلف:	شركة كون مكس للخرسانة الجاهزة (شركة شخص واحد)
رقم التسجيل الضريبي:	311009242200003
تاريخ نفاذ التسجيل:	2021/09/01
عنوان المكلف:	الرياض، الرياض، طريق الامام سعود بن عبدالعزيز بن محمد، 12463



كمكلف مسجل في ضريبة القيمة المضافة، لا يجوز لك تحصيل ضريبة القيمة المضافة من عملائك قبل تاريخ نفاذ التسجيل بالضريبة. في حال تبين غير ذلك، ستقوم الهيئة العامة للزكاة والدخل بتنفيذ الغرامات المستحقة

هذه الوثيقة مرسله من النظام الآلي ولا تحتاج إلى توقيع
- الهيئة العامة للزكاة والدخل -

اعتمادات

APPROVALS



 الشركة الوطنية للإسكان National Housing Company NHC	 12/12/22 RE	 Zuhair Fayeze	 الرواف للمقاولات ALRAWAF CONTRACTING
Client: National Housing Company	PMC: Dar al-handasah	Consultant: Zuhair Fayeze	General Contractor: ALRAWAF

SUPPLIER PRE-QUALIFICATION

AR	ME	CV	LA	Submittal No.	M2P-RWF-SPQ-STR-0028
ST	EE	QS	OT	Date: December 12, 2022	Contract Drawing No.

To: Zuhair Fayeze From: ALRAWAF

Supplier & SUBCONTRACTOR		Attachments
Description		
Name:	CONMIX FOR READY MIX CONCRETE	<input type="checkbox"/> Company Profile
Telephone No.:		<input checked="" type="checkbox"/> Valid Commercial Registration Certificate
Address:		<input checked="" type="checkbox"/> Valid Membership of Chamber of Commerce
Person in Charge and His Mobile No.:		<input checked="" type="checkbox"/> Valid VAT Registration Certificate
Supplier's Qualifying Log:		<input checked="" type="checkbox"/> Valid Zakat & Tax Certificate
Years of Experience (In Total):		<input checked="" type="checkbox"/> Valid General Organization of Social Insurance
Years of Experience In Saudi Arabia:		<input checked="" type="checkbox"/> Valid Saudization Certificate
		<input checked="" type="checkbox"/> Valid Contractor Classification Certificate
		<input checked="" type="checkbox"/> Authorized Signatory of Responsible Person

Material to Supply: **FOR READY MIX CONCRETE**

Approval of Supplier does not relieve contractor of his responsibilities under contract's terms.

Contractor's Remarks:

Contractor Incoming: Signature: _____ Date: _____ Contractor Outgoing: Signature: Date: 12 Dec 22

Consultant Comments:

* Attach plant map and location and submit trial mix. ~~SS~~ project specification and approved shop drawings.

* Attach Organization Chart :

* Quality plan & test plan & ISO certification not attached

* Calibration Certificate shall be expire on 15/12/2022 Contractor to arrange Calibration for periodic

For Zuhair Fayeze: Signature: Date: 12/12/2022

ACTION CODE:

<input type="checkbox"/> A	A = Approved	<input type="checkbox"/> C	C = Resubmit as Noted	<input type="checkbox"/> E	E = No action taken
<input checked="" type="checkbox"/> B	B = Approved as noted	<input type="checkbox"/> D	D = Disapproved	<input type="checkbox"/> F	F = Retained for Info.

Ref. In: _____ Ref. Out: _____

إدارة المشتريات

مخلص (مذكرة تعاون)

التاريخ: 2023/02/13

رقم الاتفاقية: NHC_23_0005-8

الشركة الوطنية للإسكان	الجهة الطالبة
يهدف الطرفان من توقيع هذه المذكرة الى أن يمكن الطرف الاول، وفق الأسعار والشروط والأحكام المنصوص عليها في هذه المذكرة.	الغرض من المذكرة
شركة كون مكس للخرسانة الجاهزة	اسم الشركة
سنتين ميلادية	مدة الاتفاقية

التاريخ: 2022/04/17 م

الموافق: 1443/09/16 هـ

REF.: KA_0288_RH_1760_SWFP003_198

السادة / شركة الهضبة للتجارة والمقاولات
ص.ب (101585) الرياض (11665) ت/ (0112498686) ف / (0112484131)

السلام عليكم ورحمة الله وبركاته ،،،،،

إشارة إلى مشروع درء أخطار السيول بالدريعية (بلدية العمارية) رقم (19/001/000/7500/14/00/4) منافسة رقم (1440/1439/3) مقاولتكم، وإلى خطابكم رقم (22000417) بتاريخ 2022/04/17 م بشأن طلب اعتماد مصانع الخرسانة:-

1. مصنع كون مكس للخرسانة الجاهزة.

2. شركة مصنع الوطن للخرسانة الجاهزة.

نفيدكم بأنه تم دراسة مستندات المصانع المقدمة من قبلكم و بعد مراجعته المختصين لدينا فإنه لا مانع من اعتماد مصنع كون ميكس للخرسانة الجاهزة , مع مراعاة المواصفات الفنية القياسية طبقا للعقد و توجيهات فريق الإشراف بالموقع.




والسلام عليكم ورحمة الله وبركاته ،،،،،

مدير المشروع

المهندس / أحمد خير



- صورة مع التعمية لإدارة درء أخطار السيول بوكالة أمانة منطقة الرياض لشئون بلديات المنطقة

	Project	: WADI HANIFAH SPINE INFRASTRUCTURE WORKS	Contractor: 	
	Contract No.	: DD-2021-071		
	Doc. Type	: MATERIAL APPROVAL REQUEST (MAT)		
	Title	: CONCRETE MIX DESIGNS FROM CONMIX		
	Doc. No.	: WH-WHG-602-0000-BNH-MAT-CE-000039		Rev.: 00
	CA / PMO:			Supervision Consultant:

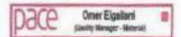
DIRIYAH GATE DEVELOPMENT AUTHORITY (DGDA)

WADI HANIFAH SPINE INFRASTRUCTURE WORKS

*C20 SRC , C25 SRC , C30 (SRC OPC) , C35 (SRC OPC) and C40 OPC has been Accepted

Contractor shouldn't use more Types of concrete designs from CONMIX

*Contractor should Conduct Quality tests for Random Samples ASAP.



TECHNICAL SUBMITTAL FOR CONCRETE MIX DESIGNS FROM CONMIX





Issue Record and Revision History:

Issue date	Rev. #	Status	Prepared by	Reviewed and submittal Approval by
04.09.2022	00	Issued for Approval	Name: Belal Sabry Designation: QA/QC Manager  Signature: Date: 04.09.2022	Name: Abdullah Alajmi Designation: PM  Signature: Date: 04.09.2022

- 1- The contractor must attach the supplier's approval of the PQQ with his technical submittal for (Concrete Mix Designs From CONMIX) for C20 SRC, C25 SRC , C30 (SRC OPC) , C35 (SRC OPC) and C40 OPC and answer all comments of the engineer in the BQQ.
- 2- The contractor must provide certificates for all products from the third party and the requirements for their compliance with the project specifications.
- 3- The certificate of the Saudi Standards and Metrology Organization must be brought for all materials supplied to the in-Wadi Hanifah project.
- 4- It is used only for the infrastructure in-Wadi Hanifah project according to the Cracknell landscape, specifications, and contract of the project.
- 5- The total number of pages is 85 pages.



 CONSULTANT / الاستشارة المملكة العربية السعودية للمهندسين Saudi Authority for Accredited Valuers رقم المشروع / Project No: THO-411		المالك : شركة كساب فران بات للمقاولات CONTRACTOR / المقاول مشروع بناء مقر الهيئة السعودية للمقيمين المعتمدين بالرياض CAP FRANCE BAT SA. C.R. : 2010239066 210239066 ص ب : 474349 هاتف : 474349 فاكس : 21075 CAP FRANCE BAT	
PROJECT NO / رقم المشروع Work Package / حزمة الأعمال Location / الموقع		PROJECT NAME / اسم المشروع Main Building-Site plan Alysamen Zone – Riyadh – KSA	
MATERIAL SUBMITTAL / تقديم مواد			
Ref. No / رقم المرجع	THO-CFB-MT-ST-0046	Rev. No.	00
Sub. To / التقديم الى	FARES AL FARES	Date / التاريخ	29-01-2023
Material Description (One Item only per each form) / وصف المواد (مادة واحدة لكل نموذج)		Contract No / رقم العقد	
CONCRETE MIX DESIGN (C-24/ASTM CYL) SCREED - CON MIX		C-21-01-042	
		<input checked="" type="checkbox"/> As Specification / حسب المواصفات <input type="checkbox"/> Alternative / بديل	
Drawing Ref / مرجع المخطط	N/A	B.O.Q Ref No / المرجع في جدول الكميات	N/A
Specification Ref / مرجع المواصفات	03350	Standards, BS, DIN / المعايير	
<i>(Attach all relevant technical literature marked to identify descriptions, current test certificate, sample etc.) (ارفق كافة البيانات الفنية لإيضاح الوصف وشهادات الاختبارات والعينات وخلافه)</i>			
MANUFACTURE / SUPPLIER / المصنع / المورد			
Company Name / اسم الشركة : CON MIX FOR READY MIX CONCRETE CO.			
Address / العنوان: Riyadh, Saudi Arabia			
Local Agent / الوكيل المحلي : CON MIX FOR READY MIX CONCRETE CO.			
Programmed Date material required on site: التاريخ المبرمج للمادة لتتواجد بالموقع:		Expected date of arrival on site: التاريخ المتوقع للمادة لتتواجد بالموقع:	
Submittal Type	<input checked="" type="checkbox"/> Architectural	<input type="checkbox"/> Structural	<input type="checkbox"/> Electrical <input type="checkbox"/> Mechanical
Contractor's Authorized Manager توقيع المدير المخول من قبل المقاول	Name / الاسم: Eng. Basel Al-Saati	Name / الاسم: Eng. Nadr Bakr	SIGNATURE / التوقيع:
	Position / الوظيفة: SR. Procurement Engineer	Position / الوظيفة: Project Manager	DATE / التاريخ:
Consultant's Comments / ملاحظات الاستشاري: <i>(An approval does not relieve the Contractor of his obligations under the Contract and he shall be liable for all acts, defaults and negligence by the subcontractor)</i> الاعتماد لا يعفي المقاول من التزاماته بموجب العقد وسوف يكون مسؤولاً عن جميع الأعمال والإعدادات الافتراضية والأعمال من جانب المقاول من الباطن			
Approved for screed mix design only			
			
Status / الحالة	<input type="checkbox"/> A - APPROVED معمتد	<input checked="" type="checkbox"/> B - APPROVED AS NOTED معمتد بملاحظات	<input type="checkbox"/> C - REVISE & RESUBMIT إعادة تقديم بملاحظات
Consultant's Representative ممثل الاستشاري	Consultant Project Manager مدير المشروع من قبل الاستشاري		
Name / الاسم: Haten Alhakan	Name / الاسم:		
SIGNATURE / التوقيع:	SIGNATURE / التوقيع:		
DATE / التاريخ: 31/01/23	DATE / التاريخ: 31-01-23		
INCOMING / وارد	OUTGOING / صادر		
DATE / التاريخ:	DATE / التاريخ:		
SIGNATURE / التوقيع:	SIGNATURE / التوقيع:		

التاريخ: / / 1444 هـ

الموافق: 2023 / 3 / 5

طلب اعتماد رقم: (19)

تعديل رقم:

المالك	الإستشاري	المقاول
محمد الضحيان سليمان الضحيان	 مكتب الركن للإستشارات الهندسية	 EMC DESIGN & BUILD

المشروع: مشروع مبني تجاري دبل تو - حي النرجس

من: شركة العلم والمعمار للمقاولات

إلى: مكتب الركن للإستشارات الهندسية

المرفقات	الفرع	تاريخ الاعتماد المطلوب
<input checked="" type="checkbox"/> عينات <input type="checkbox"/> الكتيب الأصلي <input type="checkbox"/> مقارنة مواصفات <input checked="" type="checkbox"/> أخرى (حدد): بروفايل	<input type="checkbox"/> ميكانيكا <input type="checkbox"/> معماري <input type="checkbox"/> مدني <input type="checkbox"/> كهرباء <input type="checkbox"/> أخرى (حدد):	اليوم: التاريخ: / / 1444 هـ الموافق: 2023 / 3 / 5 م

(وصف المواد)

الموقع / المكان : اعتماد مصنع كون مكس لتوريد الخرسانة الجاهزة

مرجع الرسومات :

مرجع المواصفات :

معتمد لدى الإستشاري؟	المصنع / المورد	معتمد لدى الإستشاري؟	المصنع / المورد	معتمد لدى الإستشاري؟	المصنع / المورد
<input type="checkbox"/> نعم <input type="checkbox"/> لا	إسم الشركة: جنسية الشركة: الوكيل المحلي:	<input type="checkbox"/> نعم <input type="checkbox"/> لا	إسم الشركة: جنسية الشركة: سعودية الوكيل المحلي:	<input checked="" type="checkbox"/> نعم <input type="checkbox"/> لا	إسم الشركة: شركة كون مكس للخرسانة الجاهزة جنسية الشركة: سعودية الوكيل المحلي:

التسليم:	التسليم:	التسليم:
مدة التصنيع: مدة التسليم: مجموع الوقت حتى التسليم: التاريخ المتوقع لتسليم المواد في الموقع: / / 20م	مدة التصنيع: مدة التسليم: مجموع الوقت حتى التسليم: التاريخ المتوقع لتسليم المواد في الموقع: / / 20م	مدة التصنيع: مدة التسليم: مجموع الوقت حتى التسليم: التاريخ المتوقع لتسليم المواد في الموقع: / / 20م

(ممثل المقاول)

التاريخ: 2023 / 3 / 5

التوقيع:

الوظيفة: مدير المشروع

الإسم: م/رامي الحوتي

(الإستشاري)

 (أ) معتمد
 (ب) معتمد مع وجود ملاحظات
 (ج) إعادة التقديم بعد تلافي الملاحظات
 (د) غير معتمد

م	الملاحظات
1	تم اعتماد سيرة كون مكس للخرسانة الجاهزة لتوريد
2	إلى سنة 2023 الموافق 2023 / 3 / 5
3	مجموع الوقت حتى التسليم:
4	التاريخ المتوقع لتسليم المواد في الموقع:
5	
6	
7	



(ممثل الإستشاري)

التاريخ: 2023 / 3 / 10

التوقيع:

الوظيفة: مدير المشروع

الإسم: زكي الركن



PROJECT NAME: مشروع انشاء مطبخ مركزي نموذجي بقصر الزاهر بجدة
LOCATION : قصر الزاهر - جدة

PAGE
01 OF 01

DOCUMENT TRANSMITTAL/ SUBMITTAL

المستندات المقدمة

REF. NO. : 06

رقم :

SUBMITTAL NO:

STR-MS-06R0

5/06/2023

تاريخ :

New Submittal

Re- Submittal

DISCIPLINE:

CIVIL

ARCHITECTURAL

STRUCTURAL

MECHANICAL

PLUMBING

ELECTRICAL

GENERAL

ENCLOSURES (مرفقات)

Drawings مخططات material submittal مواد catalogs كتالوج Request for inspection طلب استلام أعمال
Specification مواصفات sample عينة sketch سكتش supplier مورد lab مختبر
test date بيانات الاختبار schedule جداول report تقارير clarification توضيحات others أخرى

DRWG. NO. رقم مخطط	رقم المراجعة	DESCRIPTION	عدد النسخ
SPECS. NO: رقم المواصفة	REV.		NO. OF COPIES
	0	اعتماد شركة ابيات للخرسانة الجاهزة	1
	0	إعتماد شركة برق الجنوب للخرسانة الجاهزة	2
	0	اعتماد شركة كون مكس للخرسانة الجاهزة	3

ANY REVIEW/APPROVAL FROM THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF HIS OBLIGATION TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

ITEM NO BOQ :

البند بجدول الكميات أو العقد :

LOCATION / USE

مكان الاستخدام: قصر الزاهر بجدة

CO-ORDINATOR:

Name: Mahmoud Nabil

Signature & Date :

REVIEWED BY :

Name : Mohamed elbaz

Signature & Date :

CONSULTANT REPRESENTATIVE APPROVAL & COMMENTS :

ملاحظات وتوصيات المهندس الإستشاري :

لا مانع من اعتماد مصنع كون مكس للخرسانة الجاهزة مع مراعاة وقت وصول الخرسانة للموقع ويكون المقاول مسؤول عن جميع الاختبارات الخاصة بالخرسانة.

NAME/SIGNATURE :

عبدالله محمد السيف

(Signature)

DATE/STAMP :



ACTION CODES :

A) Approved (موافقة) B) Approved As Noted (موافقة بملاحظات) C) Revised And Re-Submit (تعديل وإعادة تقييم) D) Rejected (مرفوض)

OWNER REPRESENTATIVE APPROVAL & COMMENTS:

ACTION CODES :

A) Approved (موافقة) B) Approved As Noted (موافقة بملاحظات) C) Revised And Re-Submit (تعديل وإعادة تقييم) D) Rejected (مرفوض)

NAME:

إعتماد المالك

الختم



Document Submittal

Contractor: شركة اثممار للتشييد والبناء للمقاولات
Contract No.: 2/001/0002/45/00/3
Project No.: G3-23001
Project Name: تحسين شبكات الري بالحدائق والشوارع الرئيسية
Ref. No.: 54
Location: طريق الامير عبدالله الفيصل - ابحر الشمالية - ذهبان - مشتل حراء - مواقع متفرقة بجدة
Date: 22-8-2023

Please check appropriate box:

- | | | |
|--|---|---|
| <input type="checkbox"/> As Built | <input type="checkbox"/> Inspection Request | <input type="checkbox"/> Product Data |
| <input type="checkbox"/> Bill of Quantities | <input type="checkbox"/> Job Order | <input type="checkbox"/> Report |
| <input type="checkbox"/> Bank Warranty | <input type="checkbox"/> Letter | <input type="checkbox"/> Request for Information |
| <input type="checkbox"/> Certificate | <input type="checkbox"/> Material Sample | <input type="checkbox"/> Schedule |
| <input type="checkbox"/> Drawing | <input type="checkbox"/> Manual | <input type="checkbox"/> Shop Drawing |
| <input type="checkbox"/> Engineering Calculation | <input checked="" type="checkbox"/> Pre-qualification | <input type="checkbox"/> Test Reports |
| <input type="checkbox"/> GIS or CAD | <input type="checkbox"/> Procedure or Methodology | <input type="checkbox"/> Others: (Job order completion) |

Purpose:

- For Information For Review & Approval

زطير فايز ومشاركون
Zuhair Fayed Partnership
As Requested
Construction Dept.

Subject: الموضوع: اعتماد مورد لتوريد الخرسانة

CON MIX FOR READY MIX CONCRETE CO. اسم المورد:

22 AUG 2023

RECEIVED

Document Description:

SR. No.	Document No.	Document Name	Rev.	Hard Copy	Soft Copy
	1	الموضوع: اعتماد مورد لتوريد الخرسانة CON MIX FOR READY MIX CONCRETE CO. اسم المورد:	1	1	

ZFP Review & Approval Status:

- | | |
|--|---|
| <input type="checkbox"/> Approved (Work may proceed) | <input type="checkbox"/> Test Required |
| <input type="checkbox"/> Approved as Noted (Work may proceed subject to Incorporation of Comments) | <input type="checkbox"/> Manufacturer Warranty Required |
| <input type="checkbox"/> Revise and Resubmit (Work may not proceed) | <input type="checkbox"/> Sample Required |
| | <input type="checkbox"/> Mockup Required |

Comments:

تم الاعتماد وبناء على اعتماد سابق، لمقتضى مشاريع إثممار

Contractor Project Manager
Name: Engr. Ahmed Younis
Sign:
Date:

Received by ZFP Project Engineer
Name: AHMED ABD ALFATAH
Sign:
Date:

Zuhair Fayed; QA / QC Engineer
Name: Mohammed Alnor
Sign:
Date: 26/8/2023

شركة اثممار للتشييد
والبناء للمقاولات
28 AUG 2023
مشروع تحسين شبكات الري
بالحدائق والشوارع الرئيسية بجدة
الشؤون الفنية (إستلام فقط)



Document Submittal

Project Name:	Construction of Tunnel		
Contractor:	Advanced Construction Company	LB Project ID:	B4:18001
Contract No.:	19/5/22/001/7500/15	Contractor Ref #:	026-REV-02
Location:	Cross of Tunnel at intersection of Madina Road with Prince Mohamed Road	Date:	27-Jul-2019

Please check appropriate box:

<input type="checkbox"/> Letter	<input type="checkbox"/> Technical Report	<input type="checkbox"/> Drawings
<input type="checkbox"/> Technical Submittal	<input type="checkbox"/> GIS or CAD	<input type="checkbox"/> Shop Drawing
<input type="checkbox"/> Bill of Quantities	<input type="checkbox"/> Job Order	<input type="checkbox"/> Reports
<input type="checkbox"/> Procedure or Methodology	<input type="checkbox"/> Engineering Calculation	<input type="checkbox"/> Test Reports
<input type="checkbox"/> PM Plan	<input type="checkbox"/> Schedule	<input type="checkbox"/> Permissions
<input type="checkbox"/> Product Data	<input type="checkbox"/> As Built	<input type="checkbox"/> Request for Information
<input type="checkbox"/> Pre-qualification	<input type="checkbox"/> Certificates	<input type="checkbox"/> Manuals
<input type="checkbox"/> Material Sample	<input type="checkbox"/> Job Order Completion	<input type="checkbox"/> Others (please specify)

Purpose: For Information For Review & Approval As Requested

Subject: per- qualification for connix as a concrete supplier with JM Approval for (19001 project) As Attached. (for final Approval).

Document Description:

SR. No.	Document No.	Job Order # / BoQ #	Document Name	Rev.	Hard Copy	Soft Copy
01	026		Pre-Qualification	02	02	00

LB Review & Approval Status <input checked="" type="checkbox"/> A - Approved (Work may proceed) <input type="checkbox"/> B - Approved as Noted (Work may proceed subject to Incorporation of Comments) <input type="checkbox"/> C - Revise and Resubmit (Work may not proceed) <input type="checkbox"/> D - Rejected <input type="checkbox"/> E - For Information	Discipline / GIS Review Status Name: / Sign: / Date: /	Project Engineer Review & Approval Status Name: <i>Amr Al-Murayri</i> Sign: <i>[Signature]</i> Date: 2019 7/28
--	--	--

Comments: * As TM approval.

Contractor Project Manager & Stamp Name: <i>Saeed B. Alkhalid</i> Sign: <i>[Signature]</i> 	Document Control Stamp  Received by: <i>Louis Berger</i>	LB Project Director Name: <i>M. Hall</i> Sign: <i>[Signature]</i> Date: 07/08/19
--	--	--

AITANI
[Signature]

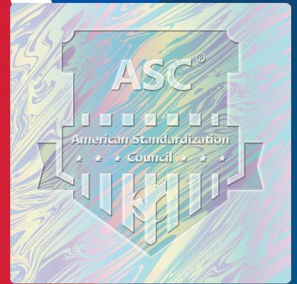
شهادات الجودة

QUALITY CERTIFICATES





UNITED SAFETY & QUALITY COUNCIL



CERTIFICATE OF ACHEVEMENT THIS IS TO CERTIFY THAT

CON MIX FOR READY MIX CONCRETE CO

13587 ALHKEER – RIYADH – SAUDI ARABIA

United Safety Quality Council - USQC, Certify that the Management System of the above Organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015 (QMS)

SCOPE OF CERTIFICATE

Ready Mix Concrete Solutions .

Start Certification Date: Dec, 12TH 2022

1st Surveillance on or before: Dec, 12TH 2023

2nd Surveillance on or before: Dec, 12TH 2024

Recertification due: Dec, 11TH 2025

Certificate Serial Number

Date

Valid Till

25022616

DEC, 12TH 2022

DEC, 11TH 2025



For verification of Certificate Validity kindly check this link
<http://www.usqc.us>



UNITED SAFETY & QUALITY COUNCIL



**CERTIFICATE OF ACHIEVEMENT
THIS IS TO CERTIFY THAT**

**CON MIX
FOR READY MIX CONCRETE CO.**

13587 ALHKEER – RIYADH – SAUDI ARABIA

United Safety Quality Council - USQC, Certify that the Management System of the above Organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 14001:2015 (EMS)

SCOPE OF CERTIFICATE

Ready Mix Concrete Solutions

Start Certification Date: Oct, 16TH 2023

1st Surveillance on or before: Oct, 16TH 2024

2nd Surveillance on or before: Oct, 16TH 2025

Recertification due: Oct, 15TH 2026

Certificate Serial Number

25022709

Date

OCT, 16TH 2023

Valid Till

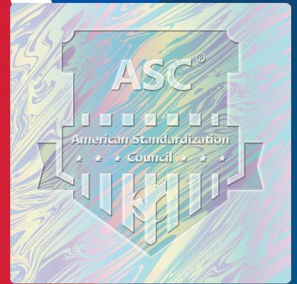
OCT, 15TH 2026



For verification of Certificate Validity kindly check this link
<http://www.usqc.US>



UNITED SAFETY & QUALITY COUNCIL



**CERTIFICATE OF ACHIEVEMENT
THIS IS TO CERTIFY THAT**

**CON MIX
FOR READY MIX CONCRETE CO.**

13587 ALHKEER – RIYADH – SAUDI ARABIA

United Safety Quality Council - USQC, Certify that the Management System of the above Organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 45001:2018 (OHSMS)

SCOPE OF CERTIFICATE

Ready Mix Concrete Solutions

Start Certification Date: Oct, 16TH 2023

1st Surveillance on or before: Oct, 16TH 2024

2nd Surveillance on or before: Oct, 16TH 2025

Recertification due: Oct, 15TH 2026

Certificate Serial Number

25022710

Date

OCT, 16TH 2023

Valid Till

OCT, 15TH 2026



For verification of Certificate Validity kindly check this link
<http://www.usqc.US>

شهادات المعايرة

CALIBRATION CERTIFICATE





مركز اختبارات التربة
Geotechnical Testing Center

Calibration Certificate

Certificate No.5013/88366 P383 Aggregate Weighing Scale

Client : CONMIX CONCRETE READY MIX.
Location : Malham, Riyadh, Saudi Arabia

1. This certificate may not be reproduced in part or full without the written approval of Geotechnical Testing Centre
2. If need any correction in this certificate, should be brought to our knowledge within 30 days from the date of Issue.
3. Reported Results are valid at the time of Calibration at standard conditions of measurements.
4. Calibration of the Unit Under Calibration are traceable to National standards / International Standards

Plant Description : Concrete Batching Plant 01
Name of Instrument : Aggregate Weighing Scale
Manufacturer : Digital Indicator (DISPLAY)
Model : SI 580E
Serial Number : E2160660
Capacity : 20,000 Kg

Calibration date : 03 October, 2023

Note: Calibration is valid for Six (06) months from calibration date.

Calibrated by:

Laboratory Technician



Approved by:

Calibration Engineer

رقم الرخصة ٨ - المملكة العربية السعودية - المركز الرئيسي : ص.ب ٩٤٣٧ - الدمام ٣١٤١٣ - هاتف : ٨١٥١٧٦٩ (٠٣) - فاكس : ٨١٥١٧٥٣ (٠٣)
ص.ب ١٢١٨٧٥ الرمز البريدي : ١١٧١١ - الرياض : ٢٤٩٦٨٦٨ (٠١) فاكس : ٢٤٩٧٣٣٤ (٠١) - القصيم : ٣٨٧١٤٩٠ (٠٦) فاكس : ٣٨٥٣٨٧٧ (٠٦)
الإحسان : ٥٨٧٥٩٥٩ (٠٣) فاكس : ٥٨٧٥٩٥٩ (٠٣) - نجران : ٥٤٤٠٣٩٥ (٠٧) فاكس : ٥٤٤٠٤٢٧ (٠٧) - مكة : ٥٥٨٩٧٧٧ (٠٢) فاكس : ٥٥٧٧٢٠٢ (٠٢)
License No. 8 - Saudi Arabia - Head Office : P.O. Box 9437 Dammam 31413 - Tel.: (03) 8151769 Fax : (03) 8151753
P.O. Box 121875 Code No.: 11711 - Riyadh : (01) 2496868 Fax : (01) 2497234 - Qasim : (06) 3821490 Fax : (06) 3853877
Al Hassa : (03) 5875959 Fax : (03) 5875959 - Najaran : (07) 5440395 Fax : (07) 5440427 - Makka : (02) 5589777 Fax : (02) 5577202
البريد الإلكتروني : info@gtc-ksa.com الموقع الإلكتروني : www.gtc-ksa.com

Report of Calibration for Aggregate Weigh Scale

Certificate No.5013/88366 P383 Aggregate Weigh Scale

Client : CONMIX CONCRETE READY MIX.

Location : Malham, Riyadh, Saudi Arabia

Plant Description : Concrete Batching Plant No 01

Name of Instrument : Aggregate Weighing Scale

Manufacturer : Digital Indicator (DISPLAY)

Model : SI 580E

Serial Number : E2160660

Capacity : 20,000 Kg

Sensitivity : 2 Kg

Calibration Date : 03 October 2023

Next Calibration Date : 02 April 2024

Ambient Temperature: 22°C

Result of Physical Examination: The physical condition of this instrument is satisfactory and it appeared that all systems are functional.

Calibration Results

Standard Mass (Kg)	Instrument Reading (Kg)	Error (%)
20	20	0.0
40	40	0.0
80	80	0.0
100	100	0.0
200	200	0.0
500	500	0.0
1000	1000	0.0
2000	2000	0.0
2500	2500	0.0

Standard Reference

Description	Model	Serial No.	Next Cal. Date	Certificate No.
Standard Mass	M-1	GTC-D	7-Mar-24	CR-62964
Standard Mass	M-1	GTC-D	7-Mar-24	CR-62964

Calibrated by:

Laboratory Technican



Checked by:

Calibration Engineer



مركز اختبارات التربة
Geotechnical Testing Center

Calibration Certificate

Certificate No.5014/88366

P383 Cement Weighing Scale

Client : CONMIX CONCRETE READY MIX.
Location : Malham, Riyadh, Saudi Arabia

1. This certificate may not be reproduced in part or full without the written approval of Geotechnical Testing Centre
2. If need any correction in this certificate, should be brought to our knowledge within 30 days from the date of Issue.
3. Reported Results are valid at the time of Calibration at standard conditions of measurements.
4. Calibration of the Unit Under Calibration are traceable to National standards / International Standards

Plant Description : Concrete Batching Plant No 01
Name of Instrument : Cement Weighing Scale
Manufacturer : Digital Indicator (DISPLAY)
Model : SI 580E
Serial Number : E2160660
Capacity : 5,000 Kg

Calibration date : 03 October 2023

Note: Calibration is valid for **Six (06)** months from calibration date.

Calibrated by:

Laboratory Technician



Approved by:

Calibration Engineer

رقم الرخصة ٨ - المملكة العربية السعودية - المركز الرئيسي : ص.ب ٩٤٣٧ - الدمام ٣١٤١٣ - هاتف : ٨١٥١٧٦٩ (٠٣) - فاكس : ٨١٥١٧٥٣ (٠٣)
ص.ب ١٢١٨٧٥ الرمز البريدي : ١١٧١١ - الرياض : ٢٤٩٦٨٦٨ (٠١) فاكس : ٢٤٩٧٣٣٤ (٠١) - القصيم : ٣٨٢١٤٩٠ (٠٦) فاكس : ٣٨٥٣٨٧٧ (٠٦)
الإحساء : ٥٨٧٥٩٥٩ (٠٣) فاكس : ٥٨٧٥٩٥٩ (٠٣) - نجران : ٥٤٤٠٣٩٥ (٠٧) فاكس : ٥٤٤٠٤٢٧ (٠٧) - مكة : ٥٥٨٩٧٧٧ (٠٢) فاكس : ٥٥٧٧٢٠٢ (٠٢)
License No. 8 - Saudi Arabia - Head Office : P.O. Box 9437 Dammam 31413 - Tel.: (03) 8151769 Fax : (03) 8151753
P.O. Box 121875 Code No.: 11711 - Riyadh : (01) 2496868 Fax : (01) 2497234 - Qasim : (06) 3821490 Fax : (06) 3853877
Al Hassa : (03) 5875959 Fax : (03) 5875959 - Najaran : (07) 5440395 Fax : (07) 5440427 - Makka : (02) 5589777 Fax : (02) 5577202
الموقع الإلكتروني : info@gtc-ksa.com : البريد الإلكتروني : www.gtc-ksa.com

Report of Calibration for Cement Weigh Scale

Certificate No.5014/88366 P383 Cement Weigh Scale

Client : CONMIX CONCRETE READY MIX.

Location : Malham, Riyadh, Saudi Arabia

Plant Description : Concrete Batching Plant No 01

Name of Instrument : Cement Weighing Scale

Manufacturer : Digital Indicator (DISPLAY)

Model : SI 580E

Serial Number : E2160660

Capacity : 5000 Kg

Sensitivity : 1 Kg

Calibration Date : 03 October 2023

Next Calibration Date : 02 April 2024

Ambient Temperature: 22°C

Result of Physical Examination: The physical condition of this instrument is satisfactory and it appeared that all systems are functional.

Calibration Results

Standard Mass (Kg)	Instrument Reading (Kg)	Error (%)
20	20	0
40	40	0
100	100	0
200	200	0
300	300	0
400	400	0
500	500	0
1000	1000	0

Standard Reference

Description	Model	Serial No.	Next Cal. Date	Certificate No.
Standard Mass	M-1	GTC-D	7-Mar-24	CR-62964

Calibrated by:



Laboratory Technician



Checked by:



Calibration Engineer



مركز اختبارات التربة
Geotechnical Testing Center

Calibration Certificate

Certificate No.5016/88366

P383 Water Flow Scale

Client : CONMIX CONCRETE READY MIX.
Location : Malham, Riyadh, Saudi Arabia

1. This certificate may not be reproduced in part or full without the written approval of Geotechnical Testing Centre
2. If need any correction in this certificate, should be brought to our knowledge within 30 days from the date of Issue.
3. Reported Results are valid at the time of Calibration at standard conditions of measurements.
4. Calibration of the Unit Under Calibration are traceable to National standards / International Standards

Plant Description : Concrete Batching Plant No 01
Name of Instrument : Water Flow Scale
Manufacturer : Digital Indicator (DISPLAY)
Model : SI 580E
Serial Number : E2160659
Capacity : 3,000 Liters

Calibration date : 03 October 2023

Note: Calibration is valid for Six (06) months from calibration date.

Calibrated by:

Laboratory Technician



Approved by:

Calibration Engineer

رقم الرخصة ٨ - المملكة العربية السعودية - المركز الرئيسي : ص.ب ٩٤٣٧ - الدمام ٣١٤١٣ - هاتف : ٨١٥١٧٦٩ (٠٣) - فاكس : ٨١٥١٧٥٣ (٠٣)
ص.ب ١٢١٨٧٥ الرمز البريدي : ١١٧١١ - الرياض : ٢٤٩٦٨٦٨ (٠١) فاكس : ٢٤٩٧٧٣٤ (٠١) - القصيم : ٣٨٢١٤٩٠ (٠٦) فاكس : ٣٨٥٣٨٧٧ (٠٦)
الإحساء : ٥٨٧٥٩٥٩ (٠٣) فاكس : ٥٨٧٥٩٥٩ (٠٣) - نجران : ٥٤٤٠٣٩٥ (٠٧) فاكس : ٥٤٤٠٤٢٧ (٠٧) - مكة : ٥٥٨٩٧٧٧ (٠٢) فاكس : ٥٥٧٧٢٠٢ (٠٢)
License No. 8 - Saudi Arabia - Head Office : P.O. Box 9437 Dammam 31413 - Tel.: (03) 8151769 Fax : (03) 8151753
P.O. Box 121875 Code No.: 11711 - Riyadh : (01) 2496868 Fax : (01) 2497234 - Qasim : (06) 3821490 Fax : (06) 3853877
Al Hassa : (03) 5875959 Fax : (03) 5875959 - Najaran : (07) 5440395 Fax : (07) 5440427 - Makka : (02) 5589777 Fax : (02) 5577202
الموقع الإلكتروني : www.gtc-ksa.com البريد الإلكتروني : info@gtc-ksa.com

Report of Calibration for Water Flow Scale

Certificate No.5015/88366 P383 Water Flow Scale

Client : CONMIX CONCRETE READY MIX.
Location : Malham, Riyadh, Saudi Arabia

Plant Description : Concrete Batching Plant No 01
Name of Instrument : Water Flow Scale
Manufacturer : Digital Indicare (DISPLAY)
Model : SI 580E
Serial Number : E2160659
Capacity : 3,000 Ltr.
Sensitivity : 1 Ltr.

Calibration Date : 03 October 2023

Next Calibration Date : 02 April 2024

Ambient Temperature: 22°C

Result of Physical Examination: The physical condition of this instrument is satisfactory and it appeared that all systems are functional.

Calibration Results

Standard Mass (Kg)	Instrument Reading (Kg)	Error (%)
20	20	0
40	40	0
60	60	0
80	80	0
100	100	0
200	200	0
300	300	0
500	500	0

Standard Reference

Description	Model	Serial No.	Next Cal. Date	Certificate No.
Standard Mass	M2	GTC-D	7-Mar-24	CR-62964

Calibrated by:



Laboratory Technician



Checked by:



Calibration Engineer

Branches: Riyadh : Tel. 011-2664110 – Fax : 01-2497234

Qasim : Tel. 016-382 1490 – Fax : 06-385 3877

Al-Hasa : Tel. 013-587 5959 – Fax : Ext. No.112

الفروع: الرياض : هاتف 011 – 2664110 فاكس 011 – 2664110

القصيم : هاتف 06 – 3821490 فاكس 06 – 3853877

الإحساء : هاتف 013 – 5875959 فاكس تحويلة / 112



مركز اختبارات التربة
Geotechnical Testing Center

Calibration Certificate

Certificate No.5016/88366

P383 Admixture Dispenser Scale

Client : CONMIX CONCRETE READY MIX.
Location : Malham, Riyadh, Saudi Arabia

1. This certificate may not be reproduced in part or full without the written approval of Geotechnical Testing Centre
2. If need any correction in this certificate, should be brought to our knowledge within 30 days from the date of Issue.
3. Reported Results are valid at the time of Calibration at standard conditions of measurements.
4. Calibration of the Unit Under Calibration are traceable to National standards / International Standards
- 5.

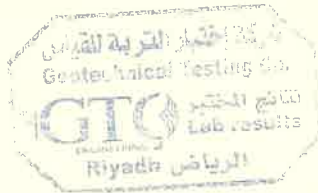
Plant Description : Concrete Batching Plant (01)
Name of Instrument : Admixture Dispenser Scale
Manufacturer : Digital Indicator (DISPLAY)
Model : SI 580E
Serial Number : E2160668
Capacity : 60 Kg

Calibration date : 03 October 2023

Note: Calibration is valid for Six (06) months from calibration date.

Calibrated by:

Laboratory Technician



Approved by:

Calibration Engineer

رقم الرخصة ٨ - المملكة العربية السعودية - المركز الرئيسي : ص.ب ٩٤٣٧ - الدمام ٣١٤١٣ - هاتف : ٨١٥١٧٦٩ (٠٣) - فاكس : ٨١٥١٧٥٣ (٠٣)
ص.ب ١٢١٨٧٥ الرمز البريدي : ١١٧١١ - الرياض : ٢٤٩٦٨٦٨ (٠١) فاكس : ٢٤٩٧٧٣٤ (٠١) - القصيم : ٣٨٢١٤٩٠ (٠٦) فاكس : ٣٨٥٣٨٧٧ (٠٦)
الإحساء : ٥٨٧٥٩٥٩ (٠٣) فاكس : ٥٨٧٥٩٥٩ (٠٣) - نجران : ٥٤٤٠٣٩٥ (٠٧) فاكس : ٥٤٤٠٤٣٧ (٠٧) - مكة : ٥٥٨٩٧٧٧ (٠٢) فاكس : ٥٥٧٧٢٠٢ (٠٢)
License No. 8 - Saudi Arabia - Head Office : P.O. Box 9437 Dammam 31413 - Tel.: (03) 8151769 Fax : (03) 8151753
P.O. Box 121875 Code No.: 11711 - Riyadh : (01) 2496868 Fax : (01) 2497234 - Qasim : (06) 3821490 Fax : (06) 3853877
Al Hassa : (03) 5875959 Fax : (03) 5875959 - Najaran : (07) 5440395 Fax : (07) 5440427 - Makka : (02) 5589777 Fax : (02) 5577202
البريد الإلكتروني : info@gtc-ksa.com الموقع الإلكتروني : www.gtc-ksa.com

Report of Calibration for Admixture Dispenser

Certificate No.5016/88366 P 383 Admixture Dispenser Scale

Client : CONMIX CONCRETE READY MIX.

Location : Malham, Riyadh, Saudi Arabia

Plant Description : Concrete Batching Plant No 01

Name of Instrument : Admixture Dispenser Scale

Manufacturer : Digital Indicatore (DISPLAY)

Model : SI 580E

Serial Number : E2160668

Capacity : 60 Kg

Sensitivity : 50 grm

Calibration Date : 03 October 2023

Next Calibration Date : 02 April 2024

Ambient Temperature: 22°C

Result of Physical Examination: The physical condition of this instrument is satisfactory and it appeared that all systems are functional.

Calibration Results

Standard Mass (gm)	Instrument Reading (gm)	Error (%)
50	50	0
80	80	0
100	100	0
150	150	0
200	200	0
300	300	0
1000	1000	0
2000	2000	0

Standard Reference

Description	Model	Serial No.	Next Cal. Date	Certificate No.
Standard Mass	E2	GTC-D	7-Mar-24	CR-63074

Calibrated by:



Laboratory Technician



Checked by:



Calibration Engineer



مركز اختبارات التربة
Geotechnical Testing Center

Calibration Certificate

Certificate No.5017/88367 P383 Aggregate Weighing Scale

Client : CONMIX CONCRETE READY MIX.
Location : Malham, Riyadh, Saudi Arabia

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3. Reported Results are valid at the time of Calibration at standard conditions of measurements.
4. Calibration of the Unit Under Calibration are traceable to National standards / International Standards

Plant Description : Concrete Batching Plant 02
Name of Instrument : Aggregate Weighing Scale
Manufacturer : Digital Indicator (DISPLAY)
Model : SI 580E
Serial Number : E20B0539
Capacity : 20,000 Kg

Calibration date : 03 October 2023

Note: Calibration is valid for **Six (06)** months from calibration date.

Calibrated by:

Laboratory Technician



Approved by:

Calibration Engineer

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ص.ب ١٢١٨٧٥ الرمز البريدي : ١١٧١١ - الرياض : ٢٤٩٦٨٦٨ (٠١) فاكس : ٢٤٩٧٢٣٤ (٠١) - القصيم : ٣٨١١٤٩٠ (٠٦) فاكس : ٣٨٥٣٨٧٧ (٠٦)
الإحساء : ٥٨٧٥٩٥٩ (٠٣) فاكس : ٥٨٧٥٩٥٩ (٠٣) - نجران : ٥٤٤٠٣٩٥ (٠٧) فاكس : ٥٤٤٠٤٢٧ (٠٧) - مكة : ٥٥٨٩٧٧٧ (٠٢) فاكس : ٥٥٧٧٢٠٢ (٠٢)
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Report of Calibration for Aggregate Weigh Scale

Certificate No.5017/88367 P383 Aggregate Weigh Scale

Client : CONMIX CONCRETE READY MIX.
Location : Malham, Riyadh, Saudi Arabia

Plant Description : Concrete Batching Plant No 02
Name of Instrument : Aggregate Weighing Scale
Manufacturer : Digital Indicator (DISPLAY)
Model : SI 580E
Serial Number : E20B0539
Capacity : 20,000 Kg
Sensitivity : 2 Kg

Calibration Date : 03 October 2023

Next Calibration Date : 02 April 2024

Ambient Temperature: 22°C

Result of Physical Examination: The physical condition of this instrument is satisfactory and it appeared that all systems are functional.

Calibration Results

Standard Mass (Kg)	Instrument Reading (Kg)	Error (%)
20	20	0.0
40	40	0.0
80	80	0.0
100	100	0.0
200	200	0.0
500	500	0.0
1000	1000	0.0
2000	2000	0.0

Standard Reference

Description	Model	Serial No.	Next Cal. Date	Certificate No.
Standard Mass	M-1	GTC-D	7-Mar-24	CR-62964
Standard Mass	M-1	GTC-D	7-Mar-24	CR-63074

Calibrated by:



Laboratory Technican



Checked by:



Calibration Engineer



مركز اختبارات التربة
Geotechnical Testing Center

Calibration Certificate

Certificate No.5018/88367

P383 Cement Weighing Scale

Client : CONMIX CONCRETE READY MIX.
Location : Malham, Riyadh, Saudi Arabia

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3. Reported Results are valid at the time of Calibration at standard conditions of measurements.
4. Calibration of the Unit Under Calibration are traceable to National standards / International Standards

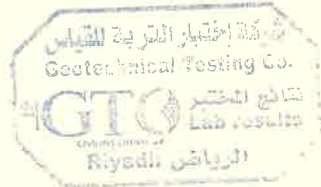
Plant Description : Concrete Batching Plant No 02
Name of Instrument : Cement Weighing Scale
Manufacturer : Digital Indicator (DISPLAY)
Model : SI 580E
Serial Number : E20B0522
Capacity : 5,000 Kg

Calibration date : 03 October 2023

Note: Calibration is valid for Six (06) months from calibration date.

Calibrated by:

Laboratory Technician



Approved by:

Calibration Engineer

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الإحساء : ٥٨٧٥٩٥٩ (٠٣) فاكس : ٥٨٧٥٩٥٩ (٠٣) - نجران : ٥٤٤٠٣٩٥ (٠٧) فاكس : ٥٤٤٠٤٢٧ (٠٧) - مكة : ٥٥٨٩٧٧٧ (٠٢) فاكس : ٥٥٧٧٢٠٢ (٠٢)
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Report of Calibration for Cement Weigh Scale

Certificate No.5018/88367 P383 Cement Weigh Scale

Client : CONMIX CONCRETE READY MIX.
Location : Malham, Riyadh, Saudi Arabia

Plant Description : Concrete Batching Plant No 02
Name of Instrument : Cement Weighing Scale
Manufacturer : Digital Indicator (DISPLAY)
Model : SI 580E
Serial Number : E20B0522
Capacity : 5000 Kg
Sensitivity : 1 Kg
Calibration Date : 03 October 2023
Next Calibration Date : 02 April 2024

Ambient Temperature: 22°C

Result of Physical Examination: The physical condition of this instrument is satisfactory and it appeared that all systems are functional.

Calibration Results

Standard Mass (Kg)	Instrument Reading (Kg)	Error (%)
20	20	0
40	40	0
60	60	0
80	80	0
100	100	0
200	200	0
500	500	0
1000	1000	0

Standard Reference

Description	Model	Serial No.	Next Cal. Date	Certificate No.
Standard Mass	M-1	GTC-D	7-Mar-24	CR-62964

Calibrated by:



Laboratory Technician



Checked by:



Calibration Engineer



مركز اختبارات التربة
Geotechnical Testing Center

Calibration Certificate

Certificate No.5019/88367

P383 Water Flow Scale

Client : CONMIX CONCRETE READY MIX.
Location : Malham, Riyadh, Saudi Arabia

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4. Calibration of the Unit Under Calibration are traceable to National standards / International Standards

Plant Description : Concrete Batching Plant No 02
Name of Instrument : Water Flow Scale
Manufacturer : Digital Indicator (DISPLAY)
Model : SI 580E
Serial Number : E2160687
Capacity : 3,000 Liters

Calibration date : 03 October 2023

Note: Calibration is valid for Six (06) months from calibration date.

Calibrated by:

Laboratory Technician



Approved by:

Calibration Engineer

رقم الرخصة ٨ - المملكة العربية السعودية - المركز الرئيسي : ص.ب ٩٤٣٧ - الدمام ٣١٤١٣ - هاتف : ٨١٥١٧٦٩ (٠٣) - فاكس : ٨١٥١٧٥٣ (٠٣)
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الإحساء : ٥٨٧٥٩٥٩ (٠٣) فاكس : ٥٨٧٥٩٥٩ (٠٣) - نجران : ٥٤٤٠٣٩٥ (٠٧) فاكس : ٥٤٤٠٤٢٧ (٠٧) - مكة : ٥٥٨٩٧٧٧ (٠٢) فاكس : ٥٥٧٧٢٠٢ (٠٢)
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Report of Calibration for Water Flow Scale

Certificate No.5019/88367 P383 Water Flow Scale

Client : CONMIX CONCRETE READY MIX.
Location : Malham, Riyadh, Saudi Arabia

Plant Description : Concrete Batching Plant 02
Name of Instrument : Water Flow Scale
Manufacturer : Digital Indicatore (DISPLAY)
Model : SI 580E
Serial Number : E2160687
Capacity : 3,000 Ltr.
Sensitivity : 1 Ltr.

Calibration Date : 03 October 2023
Next Calibration Date : 02 April 2024

Ambient Temperature: 22°C

Result of Physical Examination: The physical condition of this instrument is satisfactory and it appeared that all systems are functional.

Calibration Results

Standard Mass (Kg)	Instrument Reading (Kg)	Error (%)
20	20	0
40	40	0
60	60	0
80	80	0
100	100	0
200	200	0
300	300	0
500	500	0

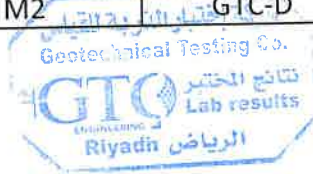
Standard Reference

Description	Model	Serial No.	Next Cal. Date	Certificate No.
Standard Mass	M2	GTC-D	7-Mar-24	CR-62964

Calibrated by:



Laboratory Technician



Checked by:



Calibration Engineer

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القصيم: هاتف 06 – 3821490 فاكس 06 – 3853877
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مركز اختبارات التربة
Geotechnical Testing Center

Calibration Certificate

Certificate No.5020/88367

P383 Admixture Dispenser Scale

Client : CONMIX CONCRETE READY MIX.
Location : Malham, Riyadh, Saudi Arabia

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4. Calibration of the Unit Under Calibration are traceable to National standards / International Standards

Plant Description : Concrete Batching Plant (02)
Name of Instrument : Admixture Dispenser Scale
Manufacturer : Digital Indicator (DISPLAY)
Model : SI 580E
Serial Number : E20B0552
Capacity : 60 Kg

Calibration date : 03 October 2023

Note: Calibration is valid for Six (06) months from calibration date.

Calibrated by:

Laboratory Technician



Approved by:

Calibration Engineer

رقم الرخصة ٨ - المملكة العربية السعودية - المركز الرئيسي : ص.ب ٩٤٣٧ - الدمام ٣١٤١٣ - هاتف : ٨١٥١٧٦٩ (٠٣) - فاكس : ٨١٥١٧٥٣ (٠٣)
ص.ب ١٢١٨٧٥ الرمز البريدي : ١١٧١١ - الرياض : ٢٤٩٦٨٦٨ (٠١) فاكس : ٢٤٩٧٧٣٤ (٠١) - القصيم : ٣٨٢١٤٩٠ (٠٦) فاكس : ٣٨٥٣٨٧٧ (٠٦)
الإحساء : ٥٨٧٥٩٥٩ (٠٣) فاكس : ٥٨٧٥٩٥٩ (٠٣) - نجران : ٥٤٤٠٣٩٥ (٠٧) فاكس : ٥٤٤٠٤٢٧ (٠٧) - مكة : ٥٥٨٩٧٧٧ (٠٢) فاكس : ٥٥٧٧٢٠٢ (٠٢)
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Report of Calibration for Admixture Dispenser Scale

Certificate No.5020/88367 P383 Admixture Dispenser Scale

Client : CONMIX CONCRETE READY MIX.
Location : Malham, Riyadh, Saudi Arabia

Plant Description : Concrete Batching Plant No 02
Name of Instrument : Admixture Dispenser Scale
Manufacturer : Digital Indicatore (DISPLAY)
Model : SI 580E
Serial Number : E20B0552
Capacity : 60 Kg
Sensitivity : 50 grm

Calibration Date : 03 October 2023
Next Calibration Date : 02 April 2024

Ambient Temperature: 22°C

Result of Physical Examination: The physical condition of this instrument is satisfactory and it appeared that all systems are functional.

Calibration Results

Standard Mass (gram)	Instrument Reading (gram)	Error (%)
50	50	0
80	80	0
100	100	0
150	150	0
200	200	0
300	300	0
500	500	0
1000	1000	0

Standard Reference

Description	Model	Serial No.	Next Cal. Date	Certificate No.
Standard Mass	E2	GTC-D	7-Mar-24	CR-63074

Calibrated by:



Laboratory Technician



Checked by:



Calibration Engineer



مركز اختبارات التربة
Geotechnical Testing Center

Calibration Certificate

Certificate No.5021/88368

P383 Schmidt Hammer

Client : CONMIX CONCRETE READY MIX.
Location : Malhum Riyadh, Saudi Arabia

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3. Reported Results are valid at the time of Calibration at standard conditions of measurements.
4. Calibration of the Unit Under Calibration are traceable to National standards / International Standards
- 5.

Name of Instrument : Schmidt Hammer
Manufacturer : China
Model : C380
Serial Number : N/A
Capacity : 70 Mpa

Calibration date : 03 October 2023

Note: Calibration is valid for **twelve (12)** months from calibration date.

Calibrated by:

Laboratory Technician



Approved By:

Calibration Engineer

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ص.ب ١٢١٨٧٥ الرمز البريدي : ١١٧١١ - الرياض : ٢٤٩٦٨٦٨ (٠١) فاكس : ٢٤٩٧٢٣٤ (٠١) - القصيم : ٣٨٢١٤٩٠ (٠٦) فاكس : ٣٨٥٣٨٧٧ (٠٦)
الإحساء : ٥٨٧٥٩٥٩ (٠٣) فاكس : ٥٨٧٥٩٥٩ (٠٣) - نجران : ٥٤٤٠٣٩٥ (٠٧) فاكس : ٥٤٤٠٤٢٧ (٠٧) - مكة : ٥٥٨٩٧٧٧ (٠٢) فاكس : ٥٥٧٧٢٠٢ (٠٢)
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Report of Calibration for Concrete Hammer

Certificate No.5021/88368

P383 Rebound Hammer

Client : CONMIX CONCRETE READY MIX.

Location : Malhum Riyadh, Saudi Arabia

Name of Instrument : Rebound Hammer

Manufacturer : China

Model : C380

Serial Number : N/A

RANGE : 70 MPa

Calibration Date : 03 October 2023

Next Calibration Date : 02 October 2024

Calibration Procedure used: GTC In-house Procedure Which based upon ASTM C 805-02.

Ambient Temperature: 23.2 °C

Result of physical Examination: the Physical Condition of this equipment was satisfactory and it appeared that all systems were functional.

Method Calibration;

1.The Calibration anvil is used to check if the concrete hammer in functioning properly. It Should be placed on a consolicated concrete floor.

2.The Concrete hammer, when fitted in its seat, should give readings between 78 and 82 if the readings are below 78, it must be taken into account when testing concrete for correct results interpretation.

$$R = \sum r \frac{80}{n Ra}$$

Note: This Formula Can be used if $Ra \geq 72$

Where:

R= Test Result

N= Total number of readings obtained Testing concrete

Ra= Rebound value of the anvil

 $\sum r$ = sum of the concrete hammers rebound values obtained testing concrete.

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القصيم : هاتف 06 – 3821490 فاكس 06 – 3853877

الإحساء : هاتف 013 – 5875959 فاكس تحويلة / 112

Calibration Result

Trials	Rebound Value of the Anvil (position @ 90°)
01	79
02	78
03	80
04	80
05	80
06	79
07	79
08	79
09	79
10	78
Average	79.1

Result of calibration:

This Instrument is calibrated in accordance with ASTM C 805-02. This concrete hammer is functioning properly and met the standard requirements

Standard Reference

Description	Capacity	Serial No.	Next Calb. Date	Certificate No.
Standard Anvil	AT241/A	GTC-1038	16 December 2023	0522TRQW

Calibrated by:

Laboratory Technician

**Approved B:**

Calibration Engineer



مركز اختبارات التربة
Geotechnical Testing Center

Calibration Certificate

Certificate No.5161/88366 P379 Compression Machine

Client : CONMIX READY MIX CONCRETE PLNAT.
Location : Malham, Saudi Arabia

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2. If need any correction in this certificate, should be brought to our knowledge within 30 days from the date of Issue.
3. Reported Results are valid at the time of Calibration at standard conditions of measurements.
4. Calibration of the Unit under Calibration are traceable to National standards / International Standards.

Name of Instrument : Compression Machine
Manufacturer : Controls
Model : C6652
Serial Number : 12015412
Capacity : 4,000 kN

Calibration date : 18 July2023

Note: Calibration is valid for **Twelve (12)** months from calibration date.

Calibrated by:

Laboratory Technician



Approved By:

Calibration Engineer

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ص.ب ١٢١٨٧٥ الرمز البريدي : ١١٧١١ - الرياض : ٢٤٩٦٨٦٨ (٠١) فاكس : ٢٤٩٧٢٣٤ (٠١) - القصيم : ٣٨٢١٤٩٠ (٠٦) فاكس : ٣٨٥٣٨٧٧ (٠٦)
الإحساء : ٥٨٧٥٩٥٩ (٠٣) فاكس : ٥٨٧٥٩٥٩ (٠٣) - نجران : ٥٤٤٠٣٩٥ (٠٧) فاكس : ٥٤٤٠٤٢٧ (٠٧) - مكة : ٥٥٨٩٧٧٧ (٠٢) فاكس : ٥٥٧٧٢٠٢ (٠٢)
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البريد الإلكتروني : info@gtc-ksa.com
الموقع الإلكتروني : www.gtc-ksa.com

Report of Calibration for Compression Machine

Certificate No.5161/88366 P379 Compression Machine

Client : COMIX READY MIX CONCRETE PLANT.
Location : Malham, Saudi Arabia
Name of Instrument : Compression Machine
Manufacturer : Controls
Model : C6652
Serial Number : 12015417
Capacity : 4000 KN
Sensitivity : 1 KN

Calibration Date : 18 July 2023

Next Calibration Date : 17 July 2024

Calibration Procedure used: GTC In-house procedure which based upon
ASTM E 74-06..

Maximum scale error permitted by ASTM E 74-06: Tolerance +/- 1.0%.

Result of Physical Examination: The physical condition of this instrument is
satisfactory and it appeared that all systems are functional.

Outline of Calibration Procedure:

Prepare materials to be used. Inspect and test instrument for functionality. Put on the standard load cell on compression machine, energized for 30 minutes to give stable zero output reading. Before calibration, forces were applied to check on the instrument's accuracy if it is within the given tolerance. The calibration was carried out by continue applying calibration forces within the preload duration of between 60 to 90 seconds. Record each readings, and continue applying forces until reaching 60% of instrument's capacity. Repeat the same procedure to get another set of data and compute for the percentage error of the instrument versus the forces applied on the standard load cell.





Branches: Riyadh : Tel. 011-2664110 – Fax : 01-2497234
Qasim : Tel. 016-382 1490 – Fax : 06-385 3877
Al-Hasa : Tel. 013-587 5959 – Fax : Ext. No.112

الفروع: الرياض : هاتف 011 – 2664110 فاكس 011 – 2664110
القصيم : هاتف 06 – 3821490 فاكس 06 – 3853877
الإحساء : هاتف 013 – 5875959 فاكس تحويلة / 112

Calibration Results

Standard Load Cell Reading (KN)	Instrument Reading (KN)			Error	Error %
	Trial 1	Trial 2	Average		
100	100	100	200	0.0	0.00
200	200	200	200.0	0.0	0.00
300	300	300	300.0	0.0	0.00
400	400	400	400.0	0.0	0.00
500	500	500	500.0	0.0	0.00
800	802	802	802.0	2.0	0.25
1000	1003	1002	1002.5	2.5	0.25
1200	1203	1202	1202.5	2.5	0.21
1400	1402	1403	1402.5	2.5	0.18
2000	2003	2003	2003.0	3.0	0.15
2500	2504	2503	2503.5	3.5	0.14

Note: 1. This instrument is calibrated in accordance with ASTM E 74-06.

2. It is within the limit.

Calibrated by:



Laboratory Technician

Approved By:



Calibration Engineer

Page 2 of 2



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القصيم: هاتف 06-3821490 – فاكس 06-3853877
الإحساء: هاتف 013-5875959 – فاكس تحويلة / 112



CALIBRATION CERTIFICATE

Name: **Connmix**

Address: **RIYADH, SAUDI ARABIA**

This is to certify that the equipment below has been calibrated by Zan Modern Co.LTD.

This certificate applies only to the equipment specified in this certificate.

Details of the Device under Calibration:

Description: **Semi-automatic Compression Machine**

Manufacturer: **ELE INTERNATIONAL**

Specification Limit: **{+/-}1% of applied load**

Reference: **ASTM C94**

Serial number: **363090011144**

Capacity: **2000kn**

Calibration Data:

Applied load KN	Test 1	Test 2	Test 3	Average KN	Error	Accuracy %	Remarks
0.00	0.00	0.00	0.00	0.00	#DIV/01	#DIV/01	pass
50.00	50.00	50.00	50.00	50.00	0.00	100.00	pass
100.00	100.00	100.00	100.00	100.00	0.00	100.00	pass
200.00	200.00	200.00	200.00	200.00	0.00	100.00	pass
400.00	400.00	400.00	400.00	400.00	0.00	100.00	pass
800.00	800.00	800.00	800.00	800.00	0.00	100.00	pass
1000.00	1000.00	1000.00	1000.00	1000.00	0.00	100.00	pass
1200.00	1200.00	1200.00	1200.00	1200.00	0.00	100.00	pass
1600.00	1600.00	1600.00	1600.00	1600.00	0.00	100.00	pass
2000.00	2000.00	2000.00	2000.00	2000.00	0.00	100.00	Pass

Details of Reference Device:

Reference Device: **ELE load Cell-2000kn**

Serial Number: **49993-4129**

Calibration Transeability: **Traceable to ELE Standard**

Calibration Date: **25/09/2023**

Calibration Due: **24/03/2024**

KAROL JOSEPH TABACUG
SERVICE TECHNICIAN



في حال وجود أي مشاكل أو عدم رضاكم عن الخدمة المقدمة لكم التواصل مع قسم (خدمة العملاء وتلقي الشكاوي والمقترحات)

support@zanmodern.com

056 905 9269

شهادات الموردين

SUPPLIER PRE-QUALIFICATION



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

TRADE MARK ISSUED FROM SAUDI ARABIAN STANDARD

Sampling Date: 09/09/23-14/09/23

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	%	20.31	
ALUMINIUM OXIDE	Al ₂ O ₃	%	4.52	
FERRIC OXIDE	Fe ₂ O ₃	%	4.92	
CALCIUM OXIDE	CaO	%	64.74	
MAGNESIUM OXIDE	MgO	%	1.05	5.00 Max
SULPHUR TRI OXIDE	SO ₃	%	2.01	2.30 Max
CHLORIDE	CL	%	0.01	0.10 Max
LOSS ON IGNITION	LOI	%	1.79	3.00 Max
INSOLUBLE RESIDUE	LR	%	0.41	1.50 Max
TOTAL ALKALIES	Na ₂ O+0.65*K ₂ O	%	0.46	0.60 Max
TRI CALCIUM ALUMINATE	C ₃ A	%	3.65	5.00 Max
C4AF		%	14.98	
C4AF + 2 (C3A)		%	22.28	25.00 Max
PHYSICAL TESTS				
SETTING TIME (VICAT METHOD)	INITIAL	Minutes	160	45 Min
	FINAL	Minutes	210	375 Max
FINENESS- SPECIFIC SURFACE	BLAINE	cm ² /g	3430	2800 Min
AIR CONTENT		%	6.40	12.0Max
SOUNDNESS	AUTO CLAVE	%	0.02	0.80% Max
HEAT OF HYDRATION	(7 DAYS)	KJ/KG	271	
COMPRESSIVE STRENGTH (Mpa)				
SASO . GSO: 1914/2009				
		Test Results	Specifications requirement	
3 DAYS (Minimum)		24.00	8	
7 DAYS (Minimum)		29.00	15	
28 DAYS (Minimum)		42.00	21	
REMARKS	1). Our Product is low alkali content. 2). Our Product Comply with ASTM C 150.			

مدير الإدارة الفنية
Technical Department Manager

رئيس الجودة والمختبرات
Chief of Quality & Labs

Ordinary Portland Cement (Type-I)

SASO.GSO 1914/2009

TRADE MARK ISSUED FROM SAUDI ARABIAN STANDARD

Sampling Date: 09/09/23-14/09/23

أسمنت 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	%	20.16	
ALUMINIUM OXIDE	Al ₂ O ₃	%	5.16	
FERRIC OXIDE	Fe ₂ O ₃	%	3.84	
CALCIUM OXIDE	CaO	%	64.38	
MAGNESIUM OXIDE	MgO	%	1.11	5.00 Max
SULPHUR TRI OXIDE	SO ₃ (C ₃ A≥8.00)	%	-	3.50 Max
	SO ₃ (C ₃ A≤8.00)	%	2.61	3.00 Max
CHLORIDE	CL	%	0.01	0.10 Max
LOSS ON IGNITION	LOI	%	2.02	3.00 Max
INSOLUBLE RESIDUE	I.R	%	0.48	1.50 Max
TOTAL ALKALIES	Na ₂ O+0.65*K ₂ O	%	0.50	0.60 Max
TRI CALCIUM ALUMINATE	C ₃ A	%	7.18	
PHYSICAL TESTS				
SETTING TIME (VICAT METHOD)	INITIAL	Minutes	170	45 Min
	FINAL	Minutes	220	375 Max
FINENESS- SPECIFIC SURFACE	BLAINE	cm ² /g	3520	2800 Min
AIR CONENT		%	6.70	12.0Max
SOUNDNESS	AUTO CLAVE	%	0.03	0.80 Max
HEAT OF HYDRATION	(7 DAYS)	KJ/KG	301	
COMPRESSIVE STRENGTH (Mpa)				
SASO.GSO: 1914/2009				
	Test results		Specification's requirement	
3 DAYS (Minimum)	27.00		12	
7 DAYS (Minimum)	32.00		19	
28 DAYS (Minimum)	44.00		28	
REMARKS	1). Our Product is low alkali content. 2). Our Product Comply With ASTM C 150.			

مدير الإدارة الفنية

Technical Department Manager

رئيس الجودة والمختبرات

Chief of Quality & Labs

Hyperplast PC318

High range water reducing admixture with workability retention properties



Description

Hyperplast PC318 is a high performance superplasticising admixture based on polycarboxylic ether polymers with long chains specially designed to enable the water content of the concrete to perform more effectively.

This effect can be used in high strength concrete and flowable concrete mixes, to achieve highest concrete durability and performance.

Applications

- ▲ High strength and high performance concrete.
- ▲ Structures with congested reinforcement.
- ▲ Improved cohesion allow for use in mass concrete pours and piling.

Advantages

- ▲ Optimises cement utilisation.
- ▲ High density and impermeable concrete through very high water reduction.
- ▲ Improves shrinkage and creep behaviours.
- ▲ Minimizes segregation and bleeding problems by improving cohesion.
- ▲ Higher early and ultimate compressive strengths.
- ▲ Increases durability and resistance to aggressive atmospheric conditions thorough reduced permeability.

Standards

Hyperplast PC318 complies with ASTM C494, Type G and EN 934, Part 2, Table 11.1.

Compatibility

Hyperplast PC318 can be used with all types of Portland cement and cement replacement materials.

Hyperplast PC318 should not be used in conjunction with other admixtures unless DCP technical department approval is obtained.

Method of Use

Hyperplast PC318 should be added to the concrete with the mixing water to achieve optimum performance.

Technical Properties @ 25°C

Colour:	Light yellow liquid
Specific gravity:	1.07 ± 0.02
Freezing point:	≈ -1°C
Chloride content: EN 934, Part 2	Nil
Air entrainment:	Typically less than 2% additional air is entrained above control mix at normal dosages

Automatic dispenser should be used to dispense the correct quantity of Hyperplast PC318 to the concrete mix.

Dosage

The guidance dosage of Hyperplast PC318 is 0.40 - 2.50 litre per 100 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

Representative trials should be conducted to determine the optimum dosage of Hyperplast PC318 to meet the performance requirements by using the materials and conditions in actual use.

Effects of over dosage

Over dosing of Hyperplast PC318 will cause the following:

- ▲ Significant increase in retardation.
- ▲ Increase in workability.

Ultimate concrete strength will not be adversely affected and will generally be increased provided that proper concrete curing is maintained.

Cleaning

Hyperplast PC318 can be washed with fresh cold water.

Packaging

Hyperplast PC318 is available in 25 litre pails, 210 litre drums and 1000 litre bulks supply.

Hyperplast PC318

Storage

Hyperplast PC318 has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

Cautions

Health and Safety

Hyperplast PC318 is not classified as hazardous material. Hyperplast PC318 should not come into contact with skin and eyes.

In case of contact with eyes wash immediately with plenty of water and seek medical advice promptly.

For further information refer to the Material Safety Data sheet.

Fire

Hyperplast PC318 is nonflammable.

More from Don Construction Products

A wide range of construction chemical products are manufactured by DCP which include:

- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.



Flocrete RPC25

High performance , retarding and water reducing admixture



Description

Flocrete RPC25 is formulated from selected polymers specially designed to enable the water content of the concrete to perform more effectively. This effect can be used to improve workability, to increase ultimate strengths or to facilitate a reduction in the cement content while sustaining mix properties.

Flocrete RPC25 has retarding property, this effect can be used overcome transportation delay problems and where long setting time is required.

Applications

- ▲ Long concrete deliveries.
- ▲ Hot weather concreting.
- ▲ Where high workability retention and retardation are required.
- ▲ To produce high quality concrete of improved durability and water tightness.
- ▲ To improve cohesion in concrete mixes.

Advantages

- ▲ Improved workability, reduces placing and compaction problems.
- ▲ Cold joints can be avoided by extending initial and final concrete setting time.
- ▲ Higher strength with same cement content.
- ▲ Cement saving without affecting strength.
- ▲ More durable concrete as a result of reduction in permeability and lower water to cement ratio.

Compatibility

Flocrete RPC25 is suitable to be used with all types of Portland cement and cement replacement materials.

Flocrete RPC25 is compatible with other DCP admixtures used in the same concrete mix. If more than one type of admixture is to be used in concrete mix, they must be dispensed to the concrete separately.

Standards

Flocrete RPC25 complies with ASTM C494 Type B and D.

Technical Properties @ 25°C:

Colour:	Brownish liquid
Freezing point:	≈ -1°C
Specific gravity:	1.06 ± 0.02

Method of Use

Flocrete RPC25 should be added to the concrete with the mixing water to achieve optimum performance.

An automatic dispenser should be used to dispense the correct quantity of Flocrete RPC25 to the concrete mix.

Dosage

The recommended dosage of Flocrete RPC25 is 0.20 to 1.20 litre per 100 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

Representative trials should be conducted to determine the optimum dosage of Flocrete RPC25 to meet the performance requirements by using the materials and conditions in actual use.

Effects of Over Dosage

Overdosage of Flocrete RPC25 will cause the following:

- ▲ Significant increase in retardation.
- ▲ Increase in workability.

Ultimate concrete strength will not be adversely affected and will generally be increased provided that proper concrete curing is maintained.

Setting Time

Although the setting time is dependent on the dosage of Flocrete RPC25, the following factors should be considered:

DCP Saudi Co.
Riyadh Offices:
Exit 9, Al Izdehar, Beside ACDelco Petrol Station

Jeddah Offices:
Al-Henaki Business Center, Tower C

Flocrete RPC25

- i. Retardation is increased with lower levels of tricalcium in the cement.
- ii. Lower temperatures will delay the setting time.
- iii. SRC cement gives higher retardation level than ordinary cement.
- iv. Using more than one type of admixture in the same concrete mix could affect the setting time.
- v. Retardation level is increased when cement replacement materials are used in the concrete mix.

Cleaning

Flocrete RPC25 can be washed with fresh cold water.

Packaging

Flocrete RPC25 is available in 25 litre pails, 210 litre drums and 1000 litre bulks supply.

Storage

Flocrete RPC25 has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C.

If these conditions are exceeded, contact DCP Technical Department for advice.

Cautions

Health and Safety

Flocrete RPC25 is not classified as a hazardous material. Flocrete RPC25 should not come into contact with skin and eyes.

In case of contact with eyes, immediately flush with plenty of water and seek medical attention.

For further information, refer to the Material Safety Data Sheet.

Fire

Flocrete RPC25 is nonflammable.

More from Don Construction Products

A wide range of construction chemical products are manufactured by DCP which include:

- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

DCP Saudi Co.

Riyadh Offices:

Exit 9, Al Izdehar, Beside ACDelco Petrol Station

Jeddah Offices:

Al-Henaki Business Center, Tower C

Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

 expertise

 quality

 full range

www.dcp-int.com

Extended retention flow retarder & plasticizer admixture for concrete

PRODUCT

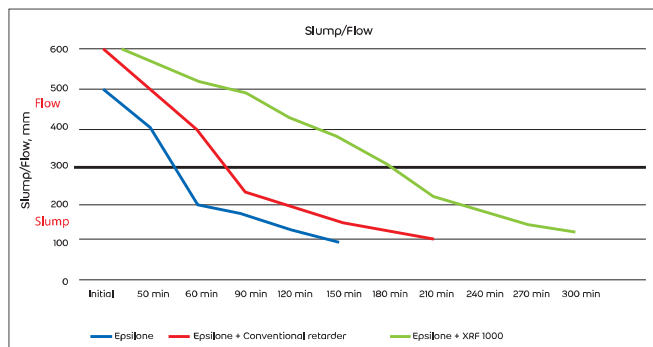
EPSILONE XRF 1000 is an innovative highly effective admixture which is carefully formulated with a new generation of retarders, based on selected co-polymers specially designed for concrete batched with EPSILONE range.

It has a unique composition specifically designed to help ready-mixed concrete industry, where outstanding slump/-flow retention is required without risk of retardation.

EPSILONE XRF 1000 is a sustainable admixture with high characteristics which allows the manufacturing of high quality concrete.

PROPERTIES

- Longer flow retention than conventional retarders
- Outstanding early strength development with respect to conventional retarders
- Reduced risk of rejected concrete on site in long distance and hot weather
- Reduces risk of cracks due to plastic shrinkage
- Better control of concrete in RMC's



SCOPE OF USE

EPSILONE XRF 1000 is recommended for all areas of use of concrete in the ready-mix industry:

- Super slump retaining concrete with equal or less water content than conventional admixtures
- Concrete mixtures containing silica fume, GGBS or PFA
- Concrete with high resistance against aggressive media
- Long distance transport
- Hot weather concreting
- Highly durable concrete
- Mass concrete
- Pumped concrete

CHARACTERISTICS

Specific gravity @ 25 °C	1.040 ± 0.02
Chloride content	Nil – BS 5075/EN 934-2

STANDARDS

ASTM C 494 Type B, D & S
BS EN 934-2
BS 5075 Part 3

INSTRUCTIONS FOR USE

EPSILONE XRF 1000 should be dispensed after all concrete constituents are charged in the central mixer, preferably after approximately 60% of mixing water addition

DOSAGE RATES

Range of dosage rates: from 200 ml to 1700 ml per 100 Kg of cementitious content.

Dosage above the recommended values can be employed. Still, the required dosage for a specific job with controlled delay in setting and workability should be determined by in-situ trials.

Admixture demand varies with w/b of the concrete, cement type, pozzolanic materials and ambient temperature. Trials are to be conducted prior to use in order to determine required performance, including workability retention, setting, and strength development.

EFFECT OF OVERDOSE

Overdose of **EPSILONE XRF 1000** may result in the following:

- Delay of initial setting
- Higher workability
- Impair consistency and cohesion

Dependent upon the level of overdose, concrete mixture details and conditions involved.

COMPATIBILITY

EPSILONE XRF 1000 can be used in mixtures containing:

- Silica fume
- Fly Ash
- GGBFS
- Pozzolanic Binders

EPSILONE XRF 1000 is not compatible with naphthalene sulfonate- and melamine sulfonate-based superplasticizers. Consult SODAMCO's technical dept. for advice.

PACKAGING

EPSILONE XRF 1000 is supplied in: 1000 liter containers.

STORAGE

EPSILONE XRF 1000 can be stored up to 1 year from manufacturing date under cover, out of direct sunlight and protected from extreme temperatures. In case of frost, the product recovers its properties after progressive thawing and homogenizing by agitation.

HEALTH & SAFETY

In case of contact with skin or eyes, rinse thoroughly with water. If irritation persists, seek medical attention. If swallowed, do not induce vomiting and seek medical attention.

QUALITY STATEMENT

All our products are manufactured to comply with our internal QA/QC program and quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

NOTE

The information included on this Technical Data Sheet is the sole property of SODAMCO Holding. The unauthorized disclosure, use, dissemination or copying (either whole or partial) of this data sheet or any information it contains, is prohibited and subject to legal pursuit.

*Available only in KSA

HIGH PERFORMANCE CONCRETE HYPERPLASTICIZER EXTENDED SLUMP RETENTION

PRODUCT

EPSILONE HP 502 is a highly effective superplasticizer based on modified synthetic carboxylated polymers specifically designed to produce ready-mix concrete with low water-to-binder ratio (w/b) and excellent workability. It can help the ready-mixed concrete industry, where more than normal slump retention and durability are required. The ability to work over a wide range of w/b, including low w/b, and still obtain extended slump retention allows for the manufacturing of high-quality concrete.

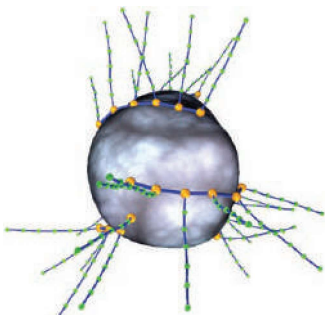
WORKING MECHANISM

Sulphonated naphthalene- or melamine-based superplasticizer is adsorbed onto the surface of cement particles at a very early stage of the cement hydration process.

These polymer chains adsorbed to the surface increase the negative charge on the surface of cement particles, and dispersion is obtained by electrostatic repulsion.

In addition to the previous process, EPSILONE HP 502 is specially designed with MultiCarboxylate Ether with long lateral chains that improve greatly the dispersion of cement particles.

Therefore, in addition to the electrostatic repulsion which occurs at the start of the mixing process, the presence of these lateral chains generates a steric hindrance which greatly enhances the capacity of cement particles to separate and disperse. This property enables the production of concrete with extended workability retention.



Schematic shows cement particle with polymer backbone and the long lateral chains linked to it.

PROPERTIES

- High water reducing
- Increased ultimate compressive strength
- Increased flexural strength
- Increased durability

- Superior slump retention. Ease of delivery to point of placement
- High workability-ease of placing and compaction without segregation
- Good adhesion - ease of pumping. No bleeding
- Good workability - excellent surface appearance
- Minimal bleed water - excellent concrete quality
- High elastic modulus and high strength - superior load bearing capacity

SCOPE OF USE

EPSILONE HP 502 is recommended for all areas of use of high-performance concrete in the ready-mix industry:

- Super slump retaining concrete with equal or less water content than conventional admixtures
- Concrete mixtures containing silica fume, GGBS, or PFA
- Concrete with high resistance against aggressive media
- Long distance transport
- Hot weather concreting
- Highly durable concrete
- Mass concrete
- Pumped concrete
- High strength concrete
- Pervious Concrete
- Sustainable Concrete

CHARACTERISTICS

Appearance	Liquid (Light brown)
Specific gravity	1.07 ± 0.02
Chloride content	NIL- BS 5075/EN 934-2

STANDARDS

ASTM C 494 Type D & G
ASTM C1017 Type I & II
BS EN 934-2
BS 5075: Part 3

INSTRUCTION FOR USE

EPSILONE HP 502 should be dispensed after all concrete constituents are charged in the central mixer, preferably after approximately 60% of mixing water addition.



EPSILONE HP 502

DOSAGE RATES

Range of dosage rates: from 600 to 1700 ml per 100 kg of cementitious content.

Dosage above the recommended values can be employed. Still, the required dosage for a specific job with controlled delay in setting and workability should be determined by in-situ trials

Admixture demand varies with w/b of the concrete, cement type, pozzolanic materials and ambient temperature.

Trials are to be conducted prior to use in order to determine required performance, including workability retention, setting, and strength development.

EFFECT OF OVERDOSE

Overdose of EPSILONE HP 502 may result in the following:

- Delay of initial setting
- Higher workability
- Impair consistency & cohesion

COMPATIBILITY

EPSILONE HP 502 can be used in mixtures containing:

- Silica fume
- Fly Ash
- GGBFS
- Pozzolanic Binders

EPSILONE HP 502 is not compatible with naphthalene sulfonate- and melamine sulfonate-based superplasticizers.

PACKAGING

EPSILONE HP 502 is supplied in:
1000 liter containers.

STORAGE

EPSILONE HP 502 can be stored up to 1 year from manufacturing date under cover, out of direct sunlight and protected from extreme temperatures.

In case of frost, the product recovers its properties after progressive thawing and homogenizing by agitation.

HEALTH & SAFETY

In case of contact with skin or eyes, rinse thoroughly with water. If irritation persists, seek medical attention. If swallowed, do not induce vomiting and seek medical attention.

QUALITY STATEMENT

All our products are manufactured to comply with our internal QA/QC program and quality management system to ensure consistency and quality

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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Edition: 09/10-A



SmartCare® -MicroSilica Technical Data Sheet



PRODUCT DESCRIPTION

SmartCare® Microsilica is a powder mineral admixture composed of submicron particles of silicon dioxide and manufactured as a co-product from the production of silicon and ferrosilicon metal. When added to concrete, **SmartCare® Microsilica** acts as both micro filler, improving the physical structure by occupying the spaces between the cement particles and as a 'pozzolan,' reacting chemically to impart far greater strength and durability to concrete.

When added to precast and ready-mixed concrete, **SmartCare® Microsilica** produces high-performance, high-strength concrete with an increased life-span and improved structural economics.

SmartCare® Microsilica is ideal for use in structures exposed to chemical and environmental attack.

SmartCare® Microsilica conforms to ASTM C-1240 and EN 13263:2005 standards for use in concrete applications.

TECHNICAL SPECS / ASTM STANDARDS

ADVANTAGES

- Prevents reinforcing steel corrosion in concrete, due to its extremely low permeability to chloride-ion intrusion and high electrical resistivity.
- Greater impermeability, barring the ingress of moisture, chemicals and other contaminants.
- High early strengths, assuring increased efficiency and greater cost effectiveness in the production of pre-stressed and precast concrete .
- High ultimate compressive strengths (8,000-20,000 psi), proportionate to amount of silica fume and the water-to-cementitious ratio
- substantially greater resistance to corrosion, abrasion and erosion, chemical attack and freeze/thaw damage

DOSAGES

SmartCare® Microsilica typical dosage levels range from 7.0 to 10% by

Parameter	SmartCare MicroSilica	ASTM C-1240
pH	7.1 – 7.8	8.20 max
Moisture	0.2 – 1.9%	3.0% max
Surface Area	20-27 m ² /g	15 m ² /g
Bulk Density	600-700 kg/m ³	-----
SiO ₂	85-93% Min.	85.00% min
Al ₂ O ₃	0.62-0.78%	-----
Fe ₂ O ₃	0.21-0.35%	-----
CaO	0.37-0.88%	1.0% max
MgO	0.65-0.88%	5.0% max
SO ₃	0.1-2.2%	3.0% max
Loss on Ignition	1.5 – 3.0%	6.0% max
Na ₂ O	0.2-0.5%	1.5% max
K ₂ O	0.3 – 0.50%	-----
CL	0.04 – 0.50%	1.0% max
C	0.08 – 1.5%	4.0% max

weight of cement. With an addition of 15 percent, the potential exists for very strong, brittle concrete. It increases the water demand in a concrete mix; however, dosage rates of less than 5 percent will not typically require a water reducer. High replacement rates will require the use of a high range water reducer.

COMPATIBILITY/ADDITION

Although SmartCare® Microsilica is compatible with other concrete admixtures, but as known each admixture has to be added separately to the concrete using suitable equipment.

APPLICATIONS

Effects on Air Entrainment and Air-void System of Fresh Concrete.

The dosage of air-entraining agent needed to maintain the required air content when using SmartCare® Microsilica is slightly higher than that for conventional concrete because of high surface area and the presence of carbon. This dosage is increased with increasing amounts of SmartCare® Microsilica content in concrete.

Effects on Water Requirements of Fresh Concrete

SmartCare® Microsilica added to concrete by itself increases water demands, often requiring one additional pound of water for every pound of added SmartCare® Microsilica. This problem can be easily compensated for by using admixtures.

SmartCare® -MicroSilica Technical Data Sheet



Effects on Consistency and Bleeding of Fresh Concrete.
Concrete incorporating more than 10% SmartCare® Microsilica becomes sticky; in order to enhance workability, the initial slump should be increased. It has been found that Silica Fume reduces bleeding because of its effect on rheological properties.

Effects on Strength of Hardened Concrete.

SmartCare Microsilica is used to produce very high-strength, low-permeability, and chemically resistant concrete. Addition of **SmartCare Microsilica** by itself, with other factors being constant, increases the concrete strength.

Incorporation of **SmartCare Microsilica** into a mixture also enables the use of a lower water-to-cementitious-materials ratio than may have been possible otherwise. The modulus of rupture of concrete prepared using **SmartCare Microsilica** is usually either about the same as or somewhat higher than that of conventional concrete at the same level of compressive strength.

Effects on Freeze-thaw Durability of Hardened Concrete

Experimental results indicated that the use of **SmartCare Microsilica** has no significant influence on the production and stability of the air-void system. Freeze-thaw testing (ASTM C 666) on Silica Fume concrete showed acceptable results.

Effects on Permeability of Hardened Concrete

Addition of **SmartCare Microsilica** to concrete reduces its permeability. Rapid chloride permeability testing conducted on **SmartCare Microsilica** concrete showed that addition of 8% product significantly reduces the chloride permeability. This reduction is primarily the result of the increased density of the matrix due to the presence of the product.

PACKAGING

SmartCare Microsilica is available in 1000kg UV coated moisture resistant bags on pallets. Bulk tankers of 25 Tons are also available upon request.

HEALTH, SAFETY & HANDLING

SmartCare Microsilica is unlikely to cause harmful effects when handled and stored as advised. However like other chemicals, the product should not be swallowed, inhaled or comes into contact with body and eyes.

Protective clothing should be worn when handling the product such as goggles and gloves.

If swallowed please seek medical consultation immediately and do not induce vomiting.

If inhaled remove the exposed person from dusty area to fresh air. If discomfort persists seek medical attention.

Eye and skin splashes should be washed thoroughly with plenty of water and a mild detergent.

STORAGE & DISPOSAL

SmartCare Microsilica is not flammable but should be stored away from acids in a well ventilated place below 55° C.

SmartCare Microsilica is not classified as hazardous waste.

Please contact the local waste regulatory authority for guidance on methods of disposals.

Please refer to MSDS for further details.

FIRE RISKS

Although **SmartCare Microsilica** is nonflammable but it should be stored away from combustible material.

Smart Care Est.
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Tel : +966.1 4169598
Fax: +966.1 4169592

Website: www.smartcaresa.com

اختبارات المواد الخام

RAW MATERIAL QUALITY TESTING



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الرياض 12463

01 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : SMP - R - 118996
Matrix : Aggregate
Picked by : By customer
Date sample : 25/12/2022 11:05:22
Date sample receipt : 26/12/2022
Date start : 31/12/2022 10:45

Analysis number : **SMP - R - 118996**
Report number : REP - R - 006685
Date print : 01/01/2023
Request Ref : REQ - R - 107999
Pack : Sieve Analysis of Fine & Coarse Agg. (ASTM C136)

Weights

	Weight (gm)	Type	
Weight of Wet Sample	3824.0		
Oven Dry Weight	3800.6		
Wash Oven Dry Weight	3781.7		
Material		3/4" COARSE AGGREGATE	
	Cum. Weight Retained	Percentage Retained	Percentag Passing
1.5"	0.0	0.0	100.0
1"	0.0	0.0	100.0
3/4"	39.1	1.0	99.0
1/2"	1759.6	46.3	53.70
3/8"	3634.6	95.6	4.4
#4	3777.0	99.4	0.6
#8	3779.0	99.4	0.6
#16	3779.5	99.4	0.6
#30	3779.9	99.5	0.5
#50	3780.3	99.5	0.5
#100	3780.9	99.5	0.52
#200	3781.1	99.49	0.5

	Cum. Weight Retained	Percentage Retained	Percentag Passing
Pan	3781.5	99.5	

Fin Modulus

	Result
FM	6.92

SIZE

Comment(s) :

General information

The sample is analyzed as received. The sample represents itself only.

التقرير مُصادق عليه آلياً. This report has been validated electronically.

*** نهاية التقرير - End Of Report ***

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Accountant

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01 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : SMP - R - 118997
Matrix : Aggregate
Picked by : By customer
Date sample : 25/12/2022 11:05:22
Date sample receipt : 26/12/2022
Date start : 31/12/2022 10:56

Analysis number : **SMP - R - 118997**
Report number : REP - R - 006685
Date print : 01/01/2023
Request Ref : REQ - R - 107999
Pack : Sieve Analysis of Fine & Coarse Agg. (ASTM C136)

Weights

	Weight (gm)	Type	
Weight of Wet Sample	2886.0		
Oven Dry Weight	2880.1		
Wash Oven Dry Weight	2872.0		
Material		3/8" COARSE AGGREGATE	
	Cum. Weight Retained	Percentage Retained	Percentag Passing
1.5"	0.0	0.0	100.0
1"	0.0	0.0	100.0
3/4"	0.0	0.0	100.0
1/2"	0.0	0.0	100.00
3/8"	743.1	25.8	74.2
#4	2845.0	98.8	1.2
#8	2868.7	99.6	0.4
#16	2869.0	99.6	0.4
#30	2869.4	99.6	0.4
#50	2869.6	99.6	0.4
#100	2870.0	99.6	0.35
#200	2871.0	99.68	0.3

	Cum. Weight Retained	Percentage Retained	Percentag Passing
Pan	2871.3	99.7	

Fin Modulus

	Result
FM	6.23

SIZE

Comment(s) :

General information

The sample is analyzed as received. The sample represents itself only.

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01 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : SMP - R - 118998
Matrix : Aggregate
Picked by : By customer
Date sample : 25/12/2022 11:05:22
Date sample receipt : 26/12/2022
Date start : 31/12/2022 11:00

Analysis number : **SMP - R - 118998**
Report number : REP - R - 006685
Date print : 01/01/2023
Request Ref : REQ - R - 107999
Pack : Sieve Analysis of Fine & Coarse Agg. (ASTM C136)

Weights

	Weight (gm)	Type	
Weight of Wet Sample	1851.0		
Oven Dry Weight	1845.2		
Wash Oven Dry Weight	1814.2		
Material		CRUSHED SAND FINE AGGREGATE	
	Cum. Weight Retained	Percentage Retained	Percentag Passing
1.5"	0.0	0.0	100.0
1"	0.0	0.0	100.0
3/4"	0.0	0.0	100.0
1/2"	0.0	0.0	100.00
3/8"	0.0	0.0	100.0
#4	179.6	9.7	90.3
#8	1393.2	75.5	24.5
#16	1790.8	97.1	2.9
#30	1803.5	97.7	2.3
#50	1806.4	97.9	2.1
#100	1809.8	98.1	1.92
#200	1813.0	98.25	1.7

	Cum. Weight Retained	Percentage Retained	Percentag Passing
Pan	1814.0	98.3	

Fin Modulus

	Result
FM	4.76

SIZE

Comment(s) :

General information

The sample is analyzed as received. The sample represents itself only.

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01 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : SMP - R - 118999
Matrix : Aggregate
Picked by : By customer
Date sample : 25/12/2022 11:05:22
Date sample receipt : 26/12/2022
Date start : 31/12/2022 11:04

Analysis number : **SMP - R - 118999**
Report number : REP - R - 006685
Date print : 01/01/2023
Request Ref : REQ - R - 107999
Pack : Sieve Analysis of Fine & Coarse Agg. (ASTM C136)

Weights

	Weight (gm)	Type	
Weight of Wet Sample	907.0		
Oven Dry Weight	888.5		
Wash Oven Dry Weight	886.9		
Material		RED SAND FINE AGGREGATE	
	Cum. Weight Retained	Percentage Retained	Percentag Passing
1.5"	0.0	0.0	100.0
1"	0.0	0.0	100.0
3/4"	0.0	0.0	100.0
1/2"	0.0	0.0	100.00
3/8"	0.0	0.0	100.0
#4	0.0	0.0	100.0
#8	0.0	0.0	100.0
#16	0.0	0.0	100.0
#30	0.3	0.0	100.0
#50	414.8	46.7	53.3
#100	857.6	96.5	3.48
#200	885.2	99.63	0.4

	Cum. Weight Retained	Percentage Retained	Percentag Passing
Pan	886.7	99.8	

Fin Modulus

	Result
FM	1.43

SIZE

Comment(s) :

General information

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01 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : SMP - R - 119004

Analysis number : **SMP - R - 119004**

Matrix : Aggregate

Report number : REP - R - 006685

Picked by : By customer

Date print : 01/01/2023

Date sample : 25/12/2022 11:05:22

Request Ref : REQ - R - 107999

Date sample receipt : 26/12/2022

Pack : Material Finer Than 75m (No.200)- ASTM C117

Date start : 31/12/2022 11:10

Material Finer Than 75m (No.200) Sieve in Mineral Aggregate by Washing

	Type	Result
Material	3/4" COARSE AGGREGATE	
Original Dry Mass of Sample (gm)		3800.60
Dry Mass of Sample After Washig (gm)		3781.70
Percentage of Material Finer than #200		0.497

SIZE

Comment(s) :

General information

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01 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : SMP - R - 119005
Matrix : Aggregate
Picked by : By customer
Date sample : 25/12/2022 11:05:22
Date sample receipt : 26/12/2022
Date start : 31/12/2022 11:13

Analysis number : **SMP - R - 119005**
Report number : REP - R - 006685
Date print : 01/01/2023
Request Ref : REQ - R - 107999
Pack : Material Finer Than 75m (No.200)- ASTM C117

Material Finer Than 75m (No.200) Sieve in Mineral Aggregate by Washing

	Type	Result
Material	3/8" COARSE AGGREGATE	
Original Dry Mass of Sample (gm)		2880.10
Dry Mass of Sample After Washig (gm)		2872.00
Percentage of Material Finer than #200		0.281

SIZE

Comment(s) :

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01 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : SMP - R - 119006

Analysis number : **SMP - R - 119006**

Matrix : Aggregate

Report number : REP - R - 006685

Picked by : By customer

Date print : 01/01/2023

Date sample : 25/12/2022 11:05:22

Request Ref : REQ - R - 107999

Date sample receipt : 26/12/2022

Pack : Material Finer Than 75m (No.200)- ASTM C117

Date start : 31/12/2022 11:14

Material Finer Than 75m (No.200) Sieve in Mineral Aggregate by Washing

	Type	Result
Material	CRUSHED SAND FINE AGGREGATE	
Original Dry Mass of Sample (gm)		1845.20
Dry Mass of Sample After Washig (gm)		1814.10
Percentage of Material Finer than #200		1.685

SIZE

Comment(s) :

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01 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : SMP - R - 119007

Analysis number : **SMP - R - 119007**

Matrix : Aggregate

Report number : REP - R - 006685

Picked by : By customer

Date print : 01/01/2023

Date sample : 25/12/2022 11:05:22

Request Ref : REQ - R - 107999

Date sample receipt : 26/12/2022

Pack : Material Finer Than 75m (No.200)- ASTM C117

Date start : 31/12/2022 11:17

Material Finer Than 75m (No.200) Sieve in Mineral Aggregate by Washing

	Type	Result
Material	RED SAND FINE AGGREGATE	
Original Dry Mass of Sample (gm)		888.50
Dry Mass of Sample After Washig (gm)		886.90
Percentage of Material Finer than #200		0.180

SIZE

Comment(s) :

General information

The sample is analyzed as received. The sample represents itself only.

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01 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : SMP - R - 119008
Matrix : Aggregate
Picked by : By customer
Date sample : 25/12/2022 11:05:22
Date sample receipt : 26/12/2022
Date start : 31/12/2022 11:19

Analysis number : **SMP - R - 119008**
Report number : REP - R - 006685
Date print : 01/01/2023
Request Ref : REQ - R - 107999
Pack : Dry Rodded Unit Weight (ASTM C29)

Dry Rodded Unit Weight

	Type	1	2	3	Average
Material	3/4" AGGREGATE				
Wt. of Agg. + Container		18489.00	18493.00	18471.00	
Wt. of Container		3404.00	3404.00	3404.00	
Wt. of Agg.		15085.00	15089.00	15067.00	
Volume of Container		10049.00	10049.00	10049.00	
Unit Weight		1.501	1.502	1.499	
Average Unit Weight gm/cm3					1.501

SIZE

Comment(s) :

General information

The sample is analyzed as received. The sample represents itself only.

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*** نهاية التقرير *** - End Of Report ***

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REQ - R - 107999: 17 / 24



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01 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : SMP - R - 119009
Matrix : Aggregate
Picked by : By customer
Date sample : 25/12/2022 11:05:22
Date sample receipt : 26/12/2022
Date start : 31/12/2022 11:24

Analysis number : **SMP - R - 119009**
Report number : REP - R - 006685
Date print : 01/01/2023
Request Ref : REQ - R - 107999
Pack : Dry Rodded Unit Weight (ASTM C29)

Dry Rodded Unit Weight

	Type	1	2	3	Average
Material	3/8" AGGREGATE				
Wt. of Agg. + Container		18414.00	18387.00	18403.00	
Wt. of Container		14171.00	14171.00	14171.00	
Wt. of Agg.		4243.00	4216.00	4232.00	
Volume of Container		2830.70	2830.70	2830.70	
Unit Weight		1.499	1.489	1.495	
Average Unit Weight gm/cm3					1.494

SIZE

Comment(s) :

General information

The sample is analyzed as received. The sample represents itself only.

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*** نهاية التقرير ***

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REQ - R - 107999: 19 / 24



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01 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : SMP - R - 119010
Matrix : Aggregate
Picked by : By customer
Date sample : 25/12/2022 11:05:22
Date sample receipt : 26/12/2022
Date start : 31/12/2022 11:28

Analysis number : **SMP - R - 119010**
Report number : REP - R - 006685
Date print : 01/01/2023
Request Ref : REQ - R - 107999
Pack : Los Angeles (one Trial)- ASTM C131

Sample Specifications

	Size	Class	Weight	No.
Grading	3/4" AGGREGATE			
Designation		CLASS (B)		
Weight of Samples Tested			5000 ± 10	
No. of Spheres				11

Test Result

	Sample 1	Sample 2	Average
Total Weight of Test Sample (gm)	5000.300		
Weight of Tested Sample retained on Sieve #12	3512.100		
Percent Loss	29.76		

Trial

	Sample 1
Total Weight of Test Sample (gm)	5000.300
Weight of Tested Sample retained on Sieve #12	3512.100
Percent Loss	29.76

SIZE

Comment(s) :
REQ - R - 107999: 21 / 24

General information

The sample is analyzed as received. The sample represents itself only.

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Approved by Rami Mohamed Mohamed
Hegazi
Accountant

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القاهرة
طريق الامام سعود
الرياض 12463

01 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : SMP - R - 119011
Matrix : Aggregate
Picked by : By customer
Date sample : 25/12/2022 11:05:22
Date sample receipt : 26/12/2022
Date start : 31/12/2022 11:34

Analysis number : **SMP - R - 119011**
Report number : REP - R - 006685
Date print : 01/01/2023
Request Ref : REQ - R - 107999
Pack : Los Angeles (one Trial)- ASTM C131

Sample Specifications

	Size	Class	Weight	No.
Grading	3/8" AGGREGATE			
Designation		CLASS (C)		
Weight of Samples Tested			5000 ± 10	
No. of Spheres				8

Test Result

	Sample 1	Sample 2	Average
Total Weight of Test Sample (gm)	5000.400		
Weight of Tested Sample retained on Sieve #12	3598.900		
Percent Loss	28.03		

Trial

	Sample 1
Total Weight of Test Sample (gm)	5000.400
Weight of Tested Sample retained on Sieve #12	3598.900
Percent Loss	28.03

SIZE

Comment(s) :
REQ - R - 107999: 23 / 24

General information

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02 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : Aggregate 3/4"
Matrix : Aggregate
Picked by : By customer
Date sample :
Date sample receipt : 26/12/2022
Date start : 31/12/2022 11:39

Analysis number : **SMP - R - 119019**
Report number : REP - R - 006763
Date print : 02/01/2023
Request Ref : REQ - R - 107999
Pack : Flaky & Elongated Particles (ASTM D4791)

Coarse Aggregate

	Type	1,1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - No.4	Total	Percentage
Material	3/4" AGGREGATE							
Total Weight of Samples Tested		1.00	1.00	523.00	257.30	1.00		
Weight of Flaky & Elongated Pieces		1.00	1.00	36.20	14.70	1.00		
% Flaky & Elongated Pieces		0.00	100.00	6.92	5.71	100.00		
Original Grading Percent Retained		100.00	0.00	45.27	49.33	0.00	94.60	
Weight Percent Flaky & Elongated		0.00	0.00	3.13	2.82	0.00	5.95	
Percent of Flaky & Elongated Particles								6.29
Max. % Specifications								10 %

SIZE

Comment(s) :

REQ - R - 107999: 1 / 4

General information

The sample is analyzed as received. The sample represents itself only.

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02 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : Aggregate 3/8"
Matrix : Aggregate
Picked by : By customer
Date sample :
Date sample receipt : 26/12/2022
Date start : 31/12/2022 11:45

Analysis number : **SMP - R - 119020**
Report number : REP - R - 006763
Date print : 02/01/2023
Request Ref : REQ - R - 107999
Pack : Flaky & Elongated Particles (ASTM D4791)

Coarse Aggregate

	Type	1,1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - No.4	Total	Percentage
Material	3/8" AGGREGATE							
Total Weight of Samples Tested		1.00	1.00	1.00	157.80	49.20		
Weight of Flaky & Elongated Pieces		1.00	1.00	1.00	5.30	4.60		
% Flaky & Elongated Pieces		0.00	100.00	100.00	3.36	9.35		
Original Grading Percent Retained		100.00	0.00	0.00	25.80	72.98	98.78	
Weight Percent Flaky & Elongated		0.00	0.00	0.00	0.87	6.82	7.69	
Percent of Flaky & Elongated Particles								7.78
Max. % Specifications								10 %

SIZE

Comment(s) :

REQ - R - 107999: 3 / 4

General information

The sample is analyzed as received. The sample represents itself only.

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02 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : Aggregate 3/4"
Matrix : Aggregate
Picked by : By customer
Date sample :
Date sample receipt : 26/12/2022
Date start : 01/01/2023 10:06

Analysis number : **SMP - R - 119000**
Report number : REP - R - 006762
Date print : 02/01/2023
Request Ref : REQ - R - 107999
Pack : Specific Gravity of Coarse Agg. (ASTM 127)

Specific Gravity of Coarse Aggregate

	Sample 1	Sample 2	Average
Wt. of Oven-dry sample in air(g)	3198.90	3197.30	
Wt. of Saturated Surface dry sample in air (g)	3251.20	3251.10	
Wt. of saturated sample in water (g)	2011.70	2008.50	
Bulk specific Gravity (oven-dry)	2.581	2.573	
Average Bulk Specific Gravity			2.577
Bulk Specific Gravity (SSD)	2.623	2.616	
Average Bulk Specific Gravity (SSD)			2.620
Apparent Specific Gravity	2.694	2.690	
Average Apparent Specific Gravity			2.692
Absorption	1.635	1.683	
Absorption Average Percentage			1.659

SIZE

Comment(s) :

General information

The sample is analyzed as received. The sample represents itself only.

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02 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : Aggregate 3/8"
Matrix : Aggregate
Picked by : By customer
Date sample :
Date sample receipt : 26/12/2022
Date start : 01/01/2023 10:12

Analysis number : **SMP - R - 119001**
Report number : REP - R - 006762
Date print : 02/01/2023
Request Ref : REQ - R - 107999
Pack : Specific Gravity of Coarse Agg. (ASTM 127)

Specific Gravity of Coarse Aggregate

	Sample 1	Sample 2	Average
Wt. of Oven-dry sample in air(g)	2228.50	2227.60	
Wt. of Saturated Surface dry sample in air (g)	2251.70	2251.00	
Wt. of saturated sample in water (g)	1400.80	1401.00	
Bulk specific Gravity (oven-dry)	2.619	2.621	
Average Bulk Specific Gravity			2.620
Bulk Specific Gravity (SSD)	2.646	2.648	
Average Bulk Specific Gravity (SSD)			2.647
Apparent Specific Gravity	2.692	2.695	
Average Apparent Specific Gravity			2.694
Absorption	1.041	1.050	
Absorption Average Percentage			1.046

SIZE

Comment(s) :

General information

The sample is analyzed as received. The sample represents itself only.

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02 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : Aggregate 3/4"
Matrix : Aggregate
Picked by : By customer
Date sample :
Date sample receipt : 26/12/2022
Date start : 01/01/2023 12:04

Analysis number : **SMP - R - 119016**
Report number : REP - R - 006762
Date print : 02/01/2023
Request Ref : REQ - R - 107999
Pack : Clay Lumps & Friable Particles in Coarse Agg.
(ASTM 142)

Coarse Aggregate

	Original Grading %	Test Fraction Mass	After- Test Sieve	Retained Mass	Percent Clay	Weighted Percent Clay
Passing Sieve 1.1/2"- Retained Sieve 3/4"	0.00	1.00	4.75 (No. 4)	1.00	0.00	0.00
Passing Sieve 3/4" - Retained Sieve 3/8"	94.60	2263.80	4.75 (No. 4)	2258.80	0.22	0.209
Passing Sieve 3/8"- Retained Sieve No. 4	0.00	1.00	2.36 (No. 8)	1.00	0.00	0.000
Total						0.209

SIZE

Comment(s) :

General information

The sample is analyzed as received. The sample represents itself only.

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REQ - R - 107999: 5 / 13



Approved by Mahdi Balla

A handwritten signature in blue ink, appearing to be 'Mahdi Balla', written over a diagonal line.

Approved by Rami Mohamed Mohamed
Hegazi
Accountant

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02 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : Aggregate 3/8"
Matrix : Aggregate
Picked by : By customer
Date sample :
Date sample receipt : 26/12/2022
Date start : 01/01/2023 12:11

Analysis number : **SMP - R - 119017**
Report number : REP - R - 006762
Date print : 02/01/2023
Request Ref : REQ - R - 107999
Pack : Clay Lumps & Friable Particles in Coarse Agg.
(ASTM 142)

Coarse Aggregate

	Original Grading %	Test Fraction Mass	After- Test Sieve	Retained Mass	Percent Clay	Weighted Percent Clay
Passing Sieve 1.1/2"- Retained Sieve 3/4"	0.00	1.00	4.75 (No. 4)	1.00	0.00	0.00
Passing Sieve 3/4" - Retained Sieve 3/8"	25.80	2172.10	4.75 (No. 4)	2171.00	0.05	0.013
Passing Sieve 3/8"- Retained Sieve No. 4	72.98	1152.30	2.36 (No. 8)	1150.20	0.18	0.133
Total						0.146

SIZE

Comment(s) :

General information

The sample is analyzed as received. The sample represents itself only.

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REQ - R - 107999: 7 / 13



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Hegazi
Accountant

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02 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : FINE AGGREGATE CRUSHED SAND
Matrix : Aggregate
Picked by : GTC Riyadh Laboratory
Date sample :
Date sample receipt : 25/12/2022
Date start : 01/01/2023 10:28

Analysis number : **SMP - R - 120035**
Report number : REP - R - 006762
Date print : 02/01/2023
Request Ref : REQ - R - 107999
Pack : Specific Gravity of Fine Agg. (ASTM 128)

Fine Aggregate Passing Sieve No.4

	Type	Trial 1	Trial 2	Average
Material	FINE AGGREGATE CRUSHED SAND			
Wt. of Oven-dry sample in air (g)		492.60	492.30	
Wt. of Volumetric Flask filled with water (g)		654.80	656.10	
Wt. of Saturated sample in Water (500g)		500.00	500.60	
Wt. of Volumetric flask + Water + sample (g)		962.70	963.60	
Volume of Sample (cm ³)		192.100	193.100	
Average of Bulk Specific Gravity (oven-dry)		2.564	2.549	2.557
Bulk Specific Gravity (SSD)		2.603	2.592	
Average Bulk Specific Gravity (SSD)				2.598
Apparent Specific Gravity		2.667	2.664	
Average Apparent Specific Gravity				2.666
Absorption %		1.502	1.686	
Average Absorption %				1.594

Comment(s) :

General information

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02 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : FINE AGGREGATE RED SAND
Matrix : Aggregate
Picked by : GTC Riyadh Laboratory
Date sample :
Date sample receipt : 25/12/2022
Date start : 01/01/2023 10:33

Analysis number : **SMP - R - 120037**
Report number : REP - R - 006762
Date print : 02/01/2023
Request Ref : REQ - R - 107999
Pack : Specific Gravity of Fine Agg. (ASTM 128)

Fine Aggregate Passing Sieve No.4

	Type	Trial 1	Trial 2	Average
Material	FINE AGGREGATE RED SAND			
Wt. of Oven-dry sample in air (g)		299.40	299.10	
Wt. of Volumetric Flask filled with water (g)		654.80	656.10	
Wt. of Saturated sample in Water (500g)		300.30	300.00	
Wt. of Volumetric flask + Water + sample (g)		840.10	841.30	
Volume of Sample (cm ³)		115.000	114.800	
Average of Bulk Specific Gravity (oven-dry)		2.603	2.605	2.604
Bulk Specific Gravity (SSD)		2.611	2.613	
Average Bulk Specific Gravity (SSD)				2.612
Apparent Specific Gravity		2.624	2.626	
Average Apparent Specific Gravity				2.625
Absorption %		0.301	0.301	
Average Absorption %				0.301

Comment(s) :

General information

The sample is analyzed as received. The sample represents itself only.

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الرياض 12463

02 January 2023

TEST REPORT

Testing Date : 2022-12-26
Project : CONCRETE BATCHING PLANT
Sampling Date : 2022-12-25

Location : MALHAM
Materials : AGGREGATE

Sample name : Aggregate crushed sand
Matrix : Aggregate
Picked by : GTC Riyadh Laboratory
Date sample :
Date sample receipt : 25/12/2022
Date start : 01/01/2023 12:18

Analysis number : **SMP - R - 120111**
Report number : REP - R - 006762
Date print : 02/01/2023
Request Ref : REQ - R - 107999
Pack : Clay Lumps & Friable Particles in Fine Agg.
(ASTM 142)

Fine Aggregate

	Original Grading %	Test Fraction Mass	After-Test Sieve	Retained Mass	Percent Clay	Weighted Percent Clay
Passing Sieve 4.75 (#4) - Retained Sieve #16	87.32	100.50	0.85 (No. 20)	99.80	0.697	0.608

Comment(s) :

General information

The sample is analyzed as received. The sample represents itself only.

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Accountant

CHEMICAL ANALYSIS OF COARSE AGGREGATES

Client :	ConMix Concrete Ready Mix Co.	Testing Date :	31/12/2022
Project :	Concrete Batching Plant	Receiving Date:	25/12/2022
No of Samples:	1	Location :	Malham - Riyadh
Sample Ref :	107999/1	Nature of Sample:	Coarse aggregates

Determination of Total chloride and sulphate content

Sample Identification	Sulphate as SO ₃ %	Chloride as CL %
COARSE AGGREGATE		
COARSE AGGREGATE 3/4"	0.0204	0.0191
Recommended Maximum Limit (% by Weight) for M.O.R(Municipality of Riyadh)	0.5	1.00

Note: sample represents it self.
sample given by the client.

Remarks: Test method BS 812: Part 117&118:1988

Approved by : WAEL SAWAN
Chemical Engineer



Ref. : coarse agg 107999-1

CHEMICAL ANALYSIS OF COARSE AGGREGATES

Client :	ConMix Concrete Ready Mix Co.	Testing Date :	31/12/2022
Project :	Concrte Batching Plant	Receiving Date:	25/12/2022
No of Samples:	1	Location :	Malham - Riyadh
Sample Ref :	107999/2	Nature of Sample:	Coarse aggregates

Determination of Total chloride and sulphate content

Sample Identification	Sulphate as SO3 %	Chloride as CL %
COARSE AGGREGATE		
COARSE AGGREGATE 3/8"	0.0747	0.0123
Recommended Maximum Limit (% by Weight) for M.O.R.(Municipality of Riyadh)	0.5	1.00

Note: sample represents it self.
sample given by the client.

Remarks: Test method BS 812: Part 117&118:1988

Approved by : WAEL SAWAN

Chemical Engineer




Ref. : coarse agg 107999-2

CHEMICAL ANALYSIS OF FINE AGGREGATES

Client :	ConMix Concrete Ready Mix Co.	Testing Date :	31/12/2022
Project :	Concrte Batching Plant	Receiving Date:	25/12/2022
No of Samples:	1	Location :	Malham - Riyadh
Sample Ref :	107999/3	Nature of Sample:	Fine aggregates

Determination of Total chloride and sulphate content

Sample Identification	Sulphate as SO3 %	Chloride as CL %
FINE AGGREGATE		
CRUSHED SAND	0.0217	0.0168
Recommended Maximum Limit (% by Weight) for M.O.R(Municipality of Riyadh)	0.5	1.00

Note: sample represents it self.
sample given by the client.

Remarks: Test method BS 812: Part 117&118:1988

Approved by : WAEL SAWAN

Chemical Engineer




Ref. : Fine agg 107999-3

CHEMICAL ANALYSIS OF FINE AGGREGATES

Client :	ConMix Concrete Ready Mix Co.	Testing Date :	31/12/2022
Project :	Concrte Batching Plant	Receiving Date:	25/12/2022
No of Samples:	1	Location :	Malham - Riyadh
Sample Ref :	107999/4	Nature of Sample:	Fine aggregates

Determination of Total chloride and sulphate content

Sample Identification	Sulphate as SO3 %	Chloride as CL %
FINE AGGREGATE		
RED SAND	0.0014	0.0043
Recommended Maximum Limit (% by Weight) for M.O.R(Municipality of Riyadh)	0.5	1.00

Note: sample represents it self.
sample given by the client.

Remarks: Test method BS 812: Part 117&118:1988

Approved by : WAEL SAWAN

Chemical Engineer




Ref. : Fine agg 107999-4

CHEMICAL ANALYSIS OF WATER

Client :	ConMix Concrete Ready Mix Co.	Testing Date :	31/12/2022
Project :	Concrete Batching Plant	Receiving Date:	25/12/2022
No of Samples:	1	Location :	Malham - Riyadh
Sample Ref:	107999/5	Nature of Sample:	WATER FOR CONCRETE

CHARACTERISTIC/CONSTITUENTS	UNIT	RESULTS	ASTM C 1602
Total Dissolved Satls (TDS)	mg/l	251	50,000
Chlorides	mg/l	57	1,000
Sulphates	mg/l	43	3,000
pH	-	8.98	-

Remarks :- According to ASTM C1602 water is suitable for concrete mixing and curing sample represents it self

sample given by the client

Tested By : Wael Sawan

Chemical Engineer




ORGANIC IMPURITIES IN FINE AGGREGATE

(ASTM C - 40)

Client :	ConMix Concrete Ready Mix Co.	Testing Date :	31/12/2022
Project :	Concrete Batching Plant	Receiving Date :	25/12/2022
No of Sample	1	Location :	Malham - Riyadh
sample Ref:	107999/6	Nature of Sample :	Fine agg. Crushed Sand

Lighter



Darker

**Observation :**

The Colour of supernatant liquid above the test sample is lighter than that of the reference standard Organic Colour Plate No.3

REMARKS Test Sample Considered no injurious Organic Impurities.

Sample represents it self.

Note: sample given by the client.

TESTED BY :

Wael Sawan

Chemical Engineer




ORGANIC IMPURITIES IN FINE AGGREGATE

(ASTM C - 40)

Client :	ConMix Concrete Ready Mix Co.	Testing Date :	31/12/2022
Project :	Concrete Batching Plant	Receiving Date :	25/12/2022
No of Sample	1	Location :	Malham - Riyadh
sample Ref:	107999/7	Nature of Sample :	Fine agg. Red Sand

Lighter



Darker

**Observation :**

The Colour of supernatant liquid above the test sample is lighter than that of the reference standard Organic Colour Plate No.3

REMARKS Test Sample Considered no injurious Organic Impurities.

Note: Sample represents it self.
sample given by the client.

TESTED BY :

Wael Sawan

Chemical Engineer




Test Report
GTC Dammam Road Riyadh Saudi Arabia
SOUNDNESS OF AGGREGATE BY USE OF SODIUM SULPHATE
ASTM C88

Client: CONE MIX READY MIX CO	المقاول	Testing Date 30-12-2022/06-06-1444	تاريخ الإختبار
Project : CONCRETE BATCHING PLANT	المشروع	Receiving Date 25-12-2022/01-06-1444	تاريخ العينة
SampleRef : 107999	رقم العينة	Location : AL-RIYADH	الموقع
Sample Standard: ASTM D75, C702		Sub-Location: MULHAM	
Details:		Material's: 3/4" AGGREGATE	

Cycles	immersion beginning		immersion end		No. h.	Solution Temp. °C	
	date	Time	date	Time			
I immersion	30-12-2022	03:00 PM	31-12-2022	8:00 AM	17 HOURS	21.1°C	
II immersion	31-12-2022	03:00 PM	01-01-2023	8:00 AM	17 HOURS	21.1°C	
III immersion	01-01-2023	03:00 PM	02-01-2023	8:00 AM	17 HOURS	21.1°C	
IV immersion	02-01-2023	03:00 PM	03-01-2023	8:00 AM	17 HOURS	21.1°C	
V immersion	03-01-2023	03:00 PM	04-01-2023	8:00 AM	17 HOURS	21.1°C	
Sieve Size	Grading Orig. Sample Retained %	Weight Test Fraction Before Test (g)	Weight Test Fraction After Test (g)	Loss in Weight After Test (g)	Actual %	Corrected Average Weighted Loss %	
	Passing	Retained	(A)	(B)	(C)	(D)	(E)
Fine Aggregate							
Minus # 100 (0.150 mm)							
# 50 (0.300 mm)	# 100 (0.150 mm)						
# 30 (0.600 mm)	# 50 (0.300 mm)						
# 16 (1.18 mm)	# 30 (0.600 mm)						
# 8 (2.36 mm)	# 16 (1.18 mm)						
# 4 (4.75 mm)	# 8 (2.36 mm)						
3/8" (9, 52 mm)	#4 (4.76 mm)						
Total							
Coarse Aggregate							
2 1/2"(63, 50 mm)	1 1/2"(38, 10 mm)						
1 1/2"(38, 10 mm)	3/4" (19, 05 mm)	1.0					
3/4" (19, 05 mm)	3/8" (9, 52 mm)	95.2	1000.2	957.9	42.3	4.23	0.042
3/8" (9, 52 mm)	#4 (4.76 mm)	3.8				4.23	4.026
Minus # 4 (4.76 mm)						4.23	0.161
Total		100					4.229

Note:	Consisting:					
D = B - C	3/8" - 1/2"	=	33%	1/2" - 3/4"	=	67%
E = (D / B) * 100	3/4" - 1"	=	33%	1" - 1 1/2"	=	67%
F = (A * E) / 100	1 1/2" - 2"	=	50%	2" - 2 1/2"	=	50%

REMARKS :

USED Na₂ SO₄, 5 CYCLES
(Sample given by client).

This document is confidential and represents only the sample tested.

GTC will keep remaining samples in store for (15) days only, after sample receiving date.

Tested By:

NADEEM

أجراها

Lab Manager

Approved By:

ENGR.MAHDI BABIKER BALLA

دققها واعتمدها

M-SA01



RP/05/JAN/23

Test Report
GTC Dammam Road Riyadh Saudi Arabia
SOUNDNESS OF AGGREGATE BY USE OF SODIUM SULPHATE
ASTM C88

Client: CONE MIX READY MIX CO	المقاول	Testing Date 30-12-2022/06-06-1444	تاريخ الإختبار
Project: CONCRETE BATCHING PLANT	المشروع	Receiving Date 25-12-2022/01-06-1444	تاريخ العينة
Sample Ref: 107999	رقم العينة	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75, C702		Sub-Location: MULHAM	
Details: -		Material's: 3/8" AGGREGATE	

Cycles	immersion beginning		immersion end		No. h.	Solution Temp. °C
	date	Time	date	Time		
I immersion	30-12-2022	03:00 PM	31-12-2022	8:00 AM	17 HOURS	21.1°C
II immersion	31-12-2022	03:00 PM	01-01-2023	8:00 AM	17 HOURS	21.1°C
III immersion	01-01-2023	03:00 PM	02-01-2023	8:00 AM	17 HOURS	21.1°C
IV immersion	02-01-2023	03:00 PM	03-01-2023	8:00 AM	17 HOURS	21.1°C
V immersion	03-01-2023	03:00 PM	04-01-2023	8:00 AM	17 HOURS	21.1°C
Sieve Size	Grading	Weight	Weight	Loss in	Actual	Corrected
	Orig. Sample Retained %	Test Fraction Before Test (g)	Test Fraction After Test (g)	Weight After Test (g)	After Test %	Average Weighted Loss %
Passing	Retained	(A)	(B)	(C)	(D)	(E)
Fine Aggregate						
Minus # 100 (0.150 mm)						
# 50 (0.300 mm)	# 100 (0.150 mm)					
# 30 (0.600 mm)	# 50 (0.300 mm)					
# 16 (1.18 mm)	# 30 (0.600 mm)					
# 8 (2.36 mm)	# 16 (1.18 mm)					
# 4 (4.75 mm)	# 8 (2.36 mm)					
3/8" (9.52 mm)	#4 (4.76 mm)					
Total						
Coarse Aggregate						
2 1/2" (63, 50 mm)	1 1/2" (38, 10 mm)					
1 1/2" (38, 10 mm)	3/4" (19, 05 mm)					
3/4" (19, 05 mm)	3/8" (9, 52 mm)	26.1			1.20	0.313
3/8" (9, 52 mm)	#4 (4.76 mm)	73.9	300.4	296.8	3.6	1.20
Minus # 4 (4.76 mm)						
Total		100				1.199

Note:	Consisting:				
D = B - C	3/8" - 1/2"	=	33%	1/2" - 3/4"	=
E = (D / B) * 100	3/4" - 1"	=	33%	1" - 1 1/2"	=
F = (A * E) / 100	1 1/2" - 2"	=	50%	2" - 2 1/2"	=
					67%
					67%
					50%

REMARKS :

USED Na₂ SO₄, 5 CYCLES

(Sample given by client).

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Tested By:

NADEEM

أجرأها

Lab Manager

Approved By:

ENGR. MAHDI BABIKER BALLA

دققها و اعتمدها

M-SA01



RP/05/JAN/23

Test Report
GTC Dammam Road Riyadh Saudi Arabia
SOUNDNESS OF AGGREGATE BY USE OF SODIUM SULPHATE
ASTM C88

Client: CONE MIX READY MIX CO	المقاول	Testing Date 30-12-2022/06-06-1444	تاريخ الإختبار
Project : CONCRETE BATCHING PLANT	المشروع	Receiving Date 25-12-2022/01-06-1444	تاريخ العينة
SampleRef : 107999	رقم العينة	Location : AL-RIYADH	الموقع
Sample Standard: ASTM D75, C702		Sub-Location: MULHAM	
Details:		Material's: CRUSHED SAND	

Cycles	immersion beginning		immersion end		No. h.	Solution Temp. °C
	date	Time	date	Time		
I immersion	30-12-2022	03:00 PM	31-12-2022	8:00 AM	17 HOURS	21.1°C
II immersion	31-12-2022	03:00 PM	01-01-2023	8:00 AM	17 HOURS	21.1°C
III immersion	01-01-2023	03:00 PM	02-01-2023	8:00 AM	17 HOURS	21.1°C
IV immersion	02-01-2023	03:00 PM	03-01-2023	8:00 AM	17 HOURS	21.1°C
V immersion	03-01-2023	03:00 PM	04-01-2023	8:00 AM	17 HOURS	21.1°C
Sieve Size	Grading Orig. Sample Retained %	Weight Test Fraction Before Test (g)	Weight Test Fraction After Test (g)	Loss in Weight After Test (g)	Actual After Test %	Corrected Average Weighted Loss %
Passing	(A)	(B)	(C)	(D)	(E)	(F)
Fine Aggregate						
Minus # 100 (0.150 mm)	1.9					
# 50 (0.300 mm) # 100 (0.150 mm)	0.2					
# 30 (0.600 mm) # 50 (0.300 mm)	0.2					
# 16 (1.18 mm) # 30 (0.600 mm)	0.6				1.9	0.004
# 8 (2.36 mm) # 16 (1.18 mm)	21.6	100.3	98.4	1.9	1.9	0.011
# 4 (4.75 mm) # 8 (2.36 mm)	65.8	100.2	98.0	2.2	1.9	0.409
3/8" (9, 52 mm) #4 (4.76 mm)	9.7	100.3	98.2	2.1	2.2	1.445
Total	100				2.1	0.203
Coarse Aggregate						
2 1/2" (63, 50 mm) 1 1/2" (38, 10 mm)						
1 1/2" (38, 10 mm) 3/4" (19, 05 mm)						
3/4" (19, 05 mm) 3/8" (9, 52 mm)						
3/8" (9, 52 mm) #4 (4.76 mm)						
Minus # 4 (4.76 mm)						
Total						2.072

Note:	Consisting:				
D = B - C	3/8" - 1/2"	=	33%	1/2" - 3/4"	=
E = (D / B) * 100	3/4" - 1"	=	33%	1" - 1 1/2"	=
F = (A * E) / 100	1 1/2" - 2"	=	50%	2" - 2 1/2"	=
					67%
					67%
					50%

REMARKS :

USED Na₂ SO₄, 5 CYCLES
(Sample given by client) .

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GTC will keep remaining samples in store for (15) days only, after sample receiving date.

Tested By:

NADEEM

Lab Manager

Approved By:

ENGR. MAHDI BABIKER BALLA

M-SA01

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دققها واعتمدها



RP/05/JAN/23

Test Report
GTC Dammam Road Riyadh Saudi Arabia
SOUNDNESS OF AGGREGATE BY USE OF SODIUM SULPHATE
ASTM C88

Client: CONE MIX READY MIX CO	المقاول	Testing Date 30-12-2022/06-06-1444	تاريخ الإختبار
Project: CONCRETE BATCHING PLANT	المشروع	Receiving Date 25-12-2022/01-06-1444	تاريخ العينة
Sample Ref: 107999	رقم العينة	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75, C702		Sub-Location: MULHAM	
Details:		Material's: RED SAND	

Cycles	immersion beginning		immersion end		No. h.	Solution Temp. °C
	date	Time	date	Time		
I immersion	30-12-2022	03:00 PM	31-12-2022	8:00 AM	17 HOURS	21.1°C
II immersion	31-12-2022	03:00 PM	01-01-2023	8:00 AM	17 HOURS	21.1°C
III immersion	01-01-2023	03:00 PM	02-01-2023	8:00 AM	17 HOURS	21.1°C
IV immersion	02-01-2023	03:00 PM	03-01-2023	8:00 AM	17 HOURS	21.1°C
V immersion	03-01-2023	03:00 PM	04-01-2023	8:00 AM	17 HOURS	21.1°C
Sieve Size	Grading Orig. Sample Retained %	Weight Test Fraction Before Test (g)	Weight Test Fraction After Test (g)	Loss in Weight After Test (g)	Actual After Test %	Corrected Average Weighted Loss %
Passing	(A)	(B)	(C)	(D)	(E)	(F)
Fine Aggregate						
Minus # 100 (0.150 mm)	3.5					
# 50 (0.300 mm) # 100 (0.150 mm)	49.8	100.4	98.4	2.0	2.0	0.992
# 30 (0.600 mm) # 50 (0.300 mm)	46.7	100.4	99.7	0.7	0.7	0.326
# 16 (1.18 mm) # 30 (0.600 mm)	0.0				1.7	0.000
# 8 (2.36 mm) # 16 (1.18 mm)	0.0				1.7	0.000
# 4 (4.75 mm) # 8 (2.36 mm)	0.0				1.7	0.000
3/8" (9, 52 mm) #4 (4.76 mm)	0.0				1.7	0.000
Total	100				1.7	0.000
Coarse Aggregate						
2 1/2"(63, 50 mm) 1 1/2"(38, 10 mm)						
1 1/2"(38, 10 mm) 3/4" (19, 05 mm)						
3/4" (19, 05 mm) 3/8" (9, 52 mm)						
3/8" (9, 52 mm) #4 (4.76 mm)						
Minus # 4 (4.76 mm)						
Total						1.318

Note:	Consisting:				
D = B - C	3/8" - 1/2"	=	33%	1/2" - 3/4"	=
E = (D / B) * 100	3/4" - 1"	=	33%	1" - 1 1/2"	=
F = (A * E) / 100	1 1/2" - 2"	=	50%	2" - 2 1/2"	=
					67%
					67%
					50%

REMARKS :

USED Na₂ SO₄, 5 CYCLES

(Sample given by client) .

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Tested By:

NADEEM

أجرأها

Lab Manager

Approved By:

ENGR. MAHDI BABIKER BALLA

تفققها و اعتمدها

M-SA01

