

اخفض وزنا .. وافضل عزلا
Lighter weight .. and better isolation

بركاني السهلي Alsehely Volcanic



مصنع خالد عبيد السهلي
للمنتجات الإسمنتية والبركانية

Khaled Obaid Al Sahli Factory
For cement and volcanic products

بلوك بركاني جميع المقاسات - عوازل - انترلوك - بردورات

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Alsehely volcanic
Emptied



Our vision

We are the leading manufacturer in the market and reliable supplier for building materials solutions used in the Kingdom Saudi Arab.

رؤيتنا

ان نكون المصنع الرائد في السوق ومورد موثوق لحلول مواد البناء المستخدمة في المملكة العربية السعودية .

Our goal

Our goal is to serve the construction needs and create value added to customers and the community and become more factory efficiency and professionalism contribute to building materials solutions.

هدفنا

هدفنا هو خدمة احتياجات البناء وخلق قيمة مضافة للعملاء والمجتمع وأن يصبح المصنع أكثر كفاءة ومهنية تساهم في حلول مواد البناء .

Quality Policy



- The policy and objective of Khaled Obeid Al Sahli factory Of all its activities is the provision of products And services within the highest quality standards And in accordance with specific customer requirements In time, it is also to promote our reputation and ability n .to get recognition With a broader scope in this area .
- Customer satisfaction is the only accepted standard At Khaled Obeid Al Sahli Factory.
- We will comply with all legal requirements And to provide the labor force with conditions Work safe to carry out their business.
- Implement and maintain the management system according to ISO 9001 - 2008 We are committed to continue to improve Effective quality management system through analysis Customer feedback, internal audit and training .
- We will develop a new working environment Inside the factory we set the goal of continuous improvement For the plant as well as staff.
- The quality management system is described in the quality manual To ensure factory quality goals we have certainty That all employees to understand and adhere The requirements of this policy and the contents of the system Quality Management .
- Our customers are a vital element for us, and will We review performance and customer service through Customer reports to measure customer satisfaction .
- As far as we are concerned about suppliers of raw materials, membership we only use in the quality of the material and delivery in a specific time one.



- Ensure that this policy has been communicated and understood at all levels in the factory, and the quality policy is displayed In prominent locations in the plant to raise awareness among employees
- The quality policy is reviewed at the management review meetings to ensure that they are suitable for the operation of the current business of the plant And are committed to compliance with the requirements set out in the system.

Obaid Al Sahli (General Manager)



■ سوف نعمل على وضع بيئة عمل جديدة داخل المصنع ونضع هدف التحسين المستمر للمصنع وكذلك الموظفين .

■ يوصف نظام إدارة الجودة في دليل الجودة لضمان أهداف نوعية المصنع ، ولدينا اليقين أن جميع الموظفين على فهم والالتزام بمطالبات هذه السياسة ومحتويات نظام إدارة الجودة .

■ زبائننا هم عنصر حيوي بالنسبة لنا ، وسوف نستعرض الأداء وخدمة العملاء من خلال تقارير العملاء لقياس رضا العملاء .

■ بقدر ما نحرص على موردي المواد الخام ، فإننا نستخدم فقط المواد الذي يقدم التميز في جودة المواد والتسليم في وقت محدد . وسيتم رصد أداء الموردين .

■ إن سياسة وهدف مصنع خالد عبيد السهلي من جميع أنشطتها هو توفير المنتجات والخدمات ضمن أعلى معايير الجودة وبما يتفق مع متطلبات العملاء المحددة في الوقت المناسب ، بل هو أيضا لتعزيز سمعتنا والقدرة من أجل الحصول على الاعتراف بنطاق أوسع في هذا المجال .

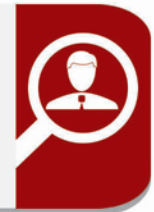
■ الرضا التام للعملاء هو المعيار الوحيد المقبول لدى مصنع خالد عبيد السهلي .

■ سوف نتمثل لجميع المتطلبات القانونية والتنظيمية ، وأن نوفر للقوى العاملة ظروف عمل آمنة لتنفيذ أعمالهم .

■ التنفيذ والحفاظ على نظام الادارة وفقا للأيزو ٩٠٠١ - ٢٠٠٨ ونحن ملتزمون باستمرار تحسين فعالية نظام إدارة الجودة من خلال تحليل ملاحظات العملاء والتدقيق الداخلي والتدريب .

– التأكد من أن هذه السياسة قد تم إبلاغها وفهمها على جميع المستويات في المصنع ، ويتم عرض سياسة الجودة في مواقع بارزة في المصنع لزيادة الوعي بين الموظفين .
– يتم مراجعة سياسة الجودة في اجتماعات مراجعة الإدارة لضمان أن تكون مناسبة لتشغيل الأعمال الحالية للمصنع وملتزمون مع جميع الموظفين على الامتثال للمتطلبات المحددة في النظام .

عبيد السهلي (المدير العام)



Occupational Health and Safety

- Khalid Obeid Al Sahli Factory for Cement and Concrete Products committed to the health, safety and welfare of its employees and extends this commitment our operations are safe and do not expose our visitors and our local community For whom we work for any danger of injury (God forbid) Illness, damage or destruction of property, and accordingly we will guarantee Full compliance with all applicable health and safety regulations And current industry standards through saving and maintaining an environment Work healthy and safe to develop, promote and implement policies and procedures Occupational health and safety of staff
- The OSH staff are well trained, and with a presence Supervisors are competent at all functional levels to maintain Conduct security in the execution of the tasks entrusted to the employees of the company With sufficient financial and human resources to meet the requirements Occupational Health and Safety
- Continuously review and improve our performance in implementing the plan Occupational health and safety should be all workers In the factory and take strict preventive measures to ensure their health Their safety and their colleagues at work through commitment Document health policies and procedures immediately and report For all perceived risks and potential risks
- This policy applies to all plant operations and functions Including those off-site business activities It also applies to contractors and suppliers working in the plant
- The factory is a reference point in terms of quality in its products To achieve this, all production processes and materials Raw materials are of the best quality and subject to quality control procedures Implemented within the factory site. The following is a brief overview

Quality control and laboratory preparation

Each factory has fully equipped equipment, each laboratory conducts routine tests to ensure The best raw materials used in the finished product to be delivered to the customer is in compliance Full of contractual specifications and we have the technical staff needed to conduct internal and external testing

The factory labs are located at the main commercial terminals in each location, in addition to providing an extensive range of experiments and laboratories centralized to conduct statistical analysis of local test results and issue monthly reports to plant management and provide technical assistance to factories Commercial and local locations

Quality Assurance Manager and Central Laboratory is the administrative authority of the company's entire inspection and testing program, and includes its calibration equipment responsibilities Testing, measurement, qualification, selection of raw material sources, technical libraries, and technical and educational training for certified technicians The Central Laboratory is specialized in the development of new products for special applications and in the evaluation of newly vacated materials

Calibration system

The equipment calibration system is implemented in our laboratory, mixing plants, and other related machines by Independent laboratories, most laboratory equipment is calibrated once Calibration of mixing stations every 4 months

- أن مصنع خالد عبيد السهلي للمنتجات الاسمنتية والبركانية ملتزم بصحة وسلامة ورفاهية موظفيه ويمتد هذا الالتزام بأن تكون عملياتنا آمنة ولا تعرض زوارنا ومجتمعنا المحلي الذين نعمل من أجلهم الى اي خطر بالاصابة (لا سمح الله) بمرض أو ضرر أو تدمير للممتلكات ، ووفقا لذلك سوف نضمن الامتثال الكامل لجميع اللوائح الصحية والسلامة المطبقة ومعايير الصناعة الحالية من خلال التوفير والحفاظ على بيئة عمل صحية وأمنة لتطوير وتعزيز وتنفيذ السياسات وإجراءات الصحة والسلامة المهنية للموظفين .
- أن موظفي الصحة والسلامة المهنية محريين جيدا ، ومع وجود مشرفين كفاء في جميع المستويات الوظيفية للحفاظ على السلوك الامن في تنفيذ الاعمال الموكلة لموظفي الشركة ، مع توفير الموارد المالية والبشرية الكافية لتلبية متطلبات الصحة والسلامة المهنية .
- المراجعة بشكل مستمر وتحسين أدائنا في تنفيذ خطة الصحة والسلامة المهنية يتعين على جميع العاملين بالمصنع وأخذ إجراءات وقائية صارمة لضمان صحتهم وسلامتهم هم وزملائهم في العمل من خلال الالتزام وتوثيق سياسات وإجراءات الصحة على الفور ورفع تقارير عن جميع المخاطر الملحوظة ومخاطر المحتملة .
- تطبيق هذه السياسة على جميع عمليات ومهام المصنع بما في ذلك تلك الأنشطة التجارية التي تجري خارج الموقع ، وتطبق أيضا على المقاولين والموردين العاملين بالمصنع .
- يعتبر المصنع نقطة مرجعية من حيث الجودة في منتجاتها حيث أنه لتحقيق ذلك فأن جميع العمليات الانتاجية والمواد الخام هي من أفضل المواد وتخضع لاجراءات مراقبة الجودة المنفذة داخل موقع المصنع وفيما يلي لمحة عن بعضها :

كل مصنع لديه معدات مجهزة تجهيزا كاملا ، كل مختبر تجري فيه الفحوصات الروتينية للتأكد من أفضل المواد الخام وتستخدم في المنتج النهائي كي يتم تسليمها إلى العملاء هو في الامتثال الكامل للمواصفات التعاقدية ولدينا الكوادر الفنية اللازمة لإجراء الاختبار الداخلي والخارجي .

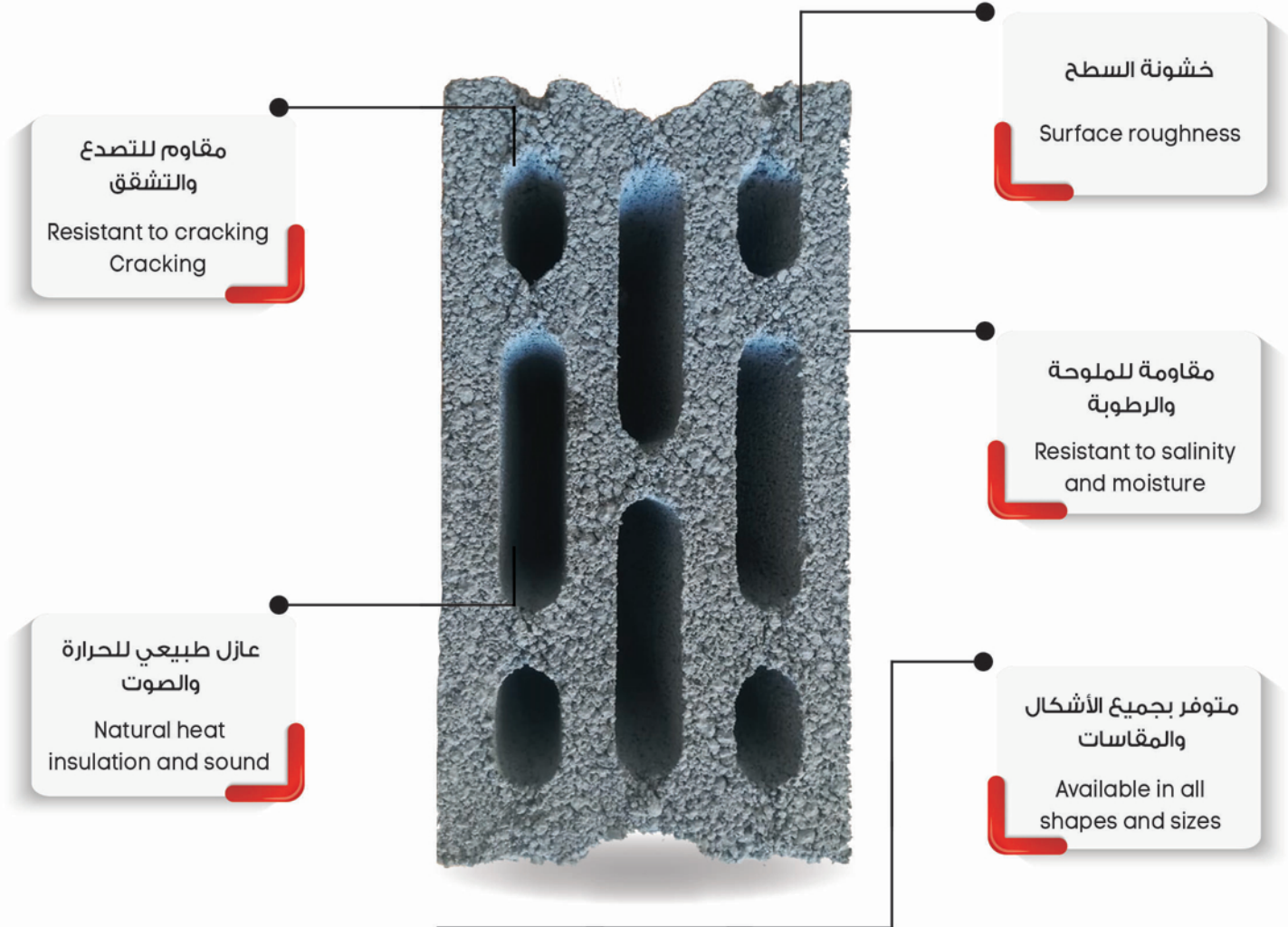
مراقبة الجودة وإعداد المختبرات

وتقع مختبرات المصنع في المحطات التجارية الرئيسية في كل موقع ، بالإضافة الى تقديم مجموعة موسعة من التجارب ومختبرات مركزية لإجراء التحليل الإحصائي لنتائج الاختبارات المحلية وإصدار تقارير شهرية إلى إدارة المصنع ، وتقديم المساعدة التقنية إلى المصانع التجارية وفي المواقع المحلية .

مدير تأكيد الجودة والمختبر المركزي هو السلطة الإدارية لبرنامج الشركة للتفتيش والاختبار بأكمله ، وتشمل مسؤولياته معايرة معدات الاختبار والقياس والتأهيل وأختيار مصادر المواد الخام ، وتحديث المكتبات التقنية ، والتدريب التقني والتعليمي للفنيين المعتمدين للمصنع وعلاوة على ذلك المختبر المركزي مختص في تطوير منتجات جديدة لتطبيقات خاصة وفي تقييم المواد التي أظلت حديثا .

يتم تنفيذ نظام معايرة المعدات في مختبرنا ، محطات الخلط ، والآلات الأخرى ذات صلة من قبل مختبرات مستقلة ، يتم معايرة معظم معدات المختبرات مرة واحدة في السنة ، وفي حين يتم معايرة محطات الخلط كل ٤ أشهر .

نظام المعايرة



سهولة التمديدات Ease extensions



يمكن قص بلوك بركاني السهلي دون أن ينكسر وتجرى التمديدات على الفجوة الخارجية مع المحافظة على قوة البلوك وعزلها الحراري

The volcanic block can be cut without breaking, and the extensions shall be carried out on the external gap while maintaining the strength of the block and thermal insulation

يقبل تركيب المسامير Accept screws



يتحمل بلوك بركاني السهلي عملية تركيب المسامير في الجدران بكفاءة عالية خاصة عند تركيب المفصلات للأبواب والمسامير ولتثبيت الرخام والحجر

The volcanic volcanic block bears the process of installing nails in the walls with high efficiency, especially when installing hinges for doors and nails and for fixing marble and stone

مقاوم للحريق Fire-resistant



يعتبر من افضل أنواع البلوك على الإطلاق في مقاومة النار واللهب المباشر حيث ان المادة الأولية هي مادة خاملة غير قابلة للأحتراق

It is considered to be one of the best types of block at all in resisting fire and direct flame as the primary material is a non-combustible inert material

خفيف الوزن very lite



يعتبر أخف وزن بكثير من البلوك الإسمنتي والبلوك الطيني الحامل من نفس المقاس

It is much lighter than the cement block and clay slabs of the same size

القوة والمتانة Strength and durability



نتيجة إرتفاع قوة الضغط المستخدمة في التصنيع فإن المقاومة للضغط عالية جداً

As a result of the high pressure strength used in manufacturing its resistance to pressure is very high

سهولة التلييس Easy to smooth



يمتاز بلوك بركاني السهلي بسطحه الخشن وهذا يساعد على تماسك اللياسة مع التوفير أو الغاء عملية الطرطشة كما أن طبقة اللياسة تصبح أقل سماكة مما يوفر في الأسمنت

It is characterized by a volcanic volcanic block with a rough surface and this helps the cohesion of the plaster with saving or eliminating the process of tipping, and the layer of softness becomes less thick than what saves in cement

مقاوم للملوحة Resistant to salinity



يصنع البلوك بركاني السهلي من مادة البوزلان التي تستخدم كمادة أولية في صناعة الأسمنت الوزلاني المقاوم للملوحة مما يقلل من عملية التآكل

The volcanic volcanic block is made of buzlan, which is used as a raw material in the manufacture of salt-resistant phosphorous cement, which reduces the corrosion process

Alsehely Volcanic Emptied

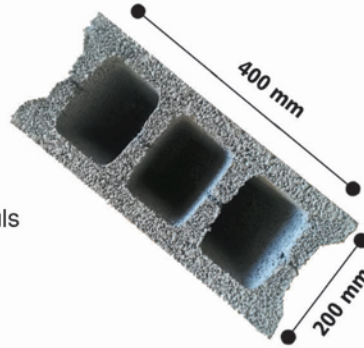
بركاني السهلي المفرغ (ثلاث فتحات)

Low density raw materials

The hollow balc offers the builder a low weight, which is Helps to reduce weight on constructions With the promotion of appropriate thermal properties For a wide range of applications

The volcanic block is made of hollow materials A volcanic ore called Scoria of all sizes

Available in a range of different surfaces soft and rough



مواد خام منخفضة الكثافة

البلوك المفرغ يقدمه للبانى وزن منخفض ، مما يساعد على تخفيض الوزن على الانشاءات مع تعزيز الخصائص الحرارية المناسبة لمجموعة واسعة من التطبيقات .

يصنع بلوك بركاني السهلي المفرغ من مواد خام بركانية تدعى سكوريا بجميع الأحجام .

متوفر بمجموعة أسطح مختلفة (ناعم وخرشن)

Applications

- Inner & outer leaf external cavity walls up to storeys
- Internal partition walls
- Standard texture finish provides an excellent surface for mortars renders and plasters
- Lower weight safer handling easy to cut and accepts most standard fixings

Package Details		تفاصيل الحزمة
Block Size mm	Block Per Pack	2m Per Pack
100	132	10.56
150	96	7.68
200	72	5.76

Technical characteristics

الخصائص الفنية

Face Sizes	400%200 mm	مقاسات الوجه
Dry Density	1000 kg/ m3	الكثافة الجافة
Average pressure strength	5.3 mpa	متوسط قوة الضغط
Thermal conductivity	0.36 w/mk	الموصلية الحرارية
firefighting	3 hours	مقاومة الحريق
Quality	hollow	النوعية
The final fabric available	rough, smooth	النسيج النهائي المتاح

Physical properties

الخصائص الفيزيائية

Block Size mm	r. value. m2k/w	density kg/m3	sound reduction rw,db	block weight kg	fire resistance hours
100	0.27	1000	41	6	1
150	0.4	1000	43	7.5	2
200	0.56	1000	46	9.8	3

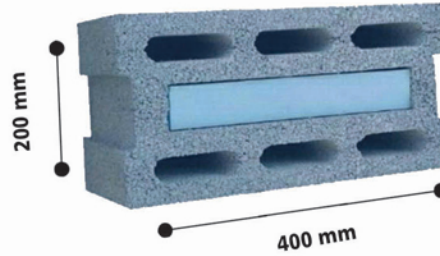
Alsehely Volcanic Isolated

بركاني السهلي المعزول (فلين ازرق)

Light-duty raw materials

The cabbage is wonderful to build from all Areas, it is low in cost And choose the overall use .To accept the work of Elias

Available in different forms



مواد خام خفيفة الكثافة

البلوك المفرغ هو مثالي لبناء من جميع النواحي ، فهو فعال من حيث التكلفة ، وسهلة الاستخدام ويوفر خلفية مثالية لقبول أعمال اللياسة .

متوفر بأشكال مختلفة

Applications

- External walls
- Lower weight safer handling easy to cut and accepts most standard fixings

Package Details		تفاصيل الحزمة
Block Size mm	Block Per Pack	2m Per Pack
200	77	5.76

Technical characteristics		الخصائص الفنية
Face Sizes	400%200 mm	مقاسات الوجه
Dry Density	1000 kg/ m3	الكثافة الجافة
Average pressure strength	3.6 4.2 5.3 /n mm2	متوسط قوة الضغط
Thermal conductivity	0.125 w/mk	الموصلية الحرارية
firefighting	6 hours	مقاومة الحريق
Quality	Insulation	النوعية
The final fabric available	rough, smooth	النسيج النهائي المتاح

Physical properties					الخصائص الفيزيائية
Block Size mm	r. value. m2k/w	density kg/m3	sound reduction rw,db	block weight kg	fire resistance hours
200	2.5	1000	43	10.0	6 hrs

Alsehely Volcanic Emptied

بركاني السهلي المفرغ (ثمانية فتحات)

Low density raw materials

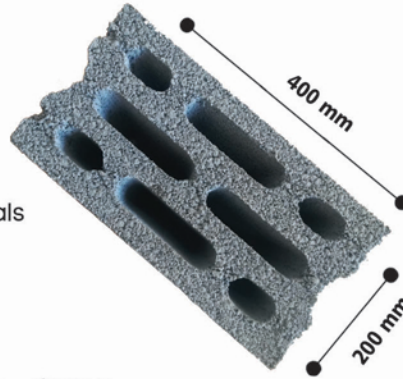
The hollow block offers the builder a low weight, which helps to reduce weight on constructions. With the promotion of appropriate thermal properties for a wide range of applications.

The volcanic block is made of hollow materials. A volcanic ore called Scoria of all sizes.

Available in a range of different surfaces: soft and rough.

Applications

- Inner & outer leaf external cavity walls up to storeys
- Internal partition walls
- Standard texture finish provides an excellent surface for mortars, renders and plasters
- Lower weight, safer handling, easy to cut and accepts most standard fixings



مواد خام منخفضة الكثافة

البلوك المفرغ يقدم للبناء وزن منخفض، مما يساعد على تخفيض الوزن على المنشآت مع تعزيز الخصائص الحرارية المناسبة لمجموعة واسعة من التطبيقات.

يصنع بلوك بركاني السهلي المفرغ من مواد خام بركانية تدعى سكوريا بجميع الأحجام.

متوفر بمجموعة أسطح مختلفة (ناعمة وخشنة)

Package Details

تفاصيل الحزمة

Block Size mm	Block Per Pack	2m Per Pack
200	72	5.76

Technical characteristics

الخصائص الفنية

Face Sizes	400x200 mm	مقاسات الوجه
Dry Density	1000 kg/ m ³	الكثافة الجافة
Average pressure strength	5.3 mpa	متوسط قوة الضغط
Thermal conductivity	0.36 w/mk	الموصلية الحرارية
firefighting	3 hours	مقاومة الحريق
Quality	hollow	النوعية
The final fabric available	rough, smooth	النسيج النهائي المتاح

Physical properties

الخصائص الفيزيائية

Block Size mm	r. value. m ² /w	density kg/m ³	sound reduction rw,db	block weight kg	fire resistance hours
200	0.65	1000	46	12	3

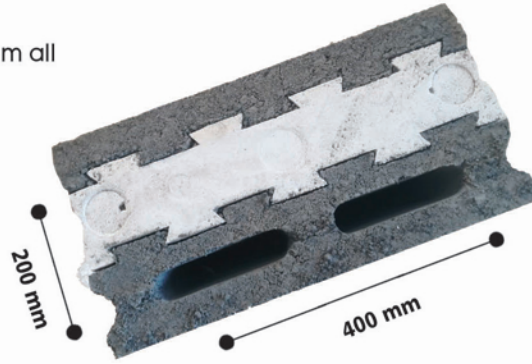
Alsehely Volcanic Isolated

بركاني السهلي العزول (مضع)

Light-duty raw materials

The cabbage is wonderful to build from all Areas, it is low in cost And choose the overall use .To accept the work of Elias

Available in different forms



مواد خام خفيفة الكثافة

البلك المفرغ هو مثالي لبناء من جميع النواحي ، فهو فعال من حيث التكلفة ، وسهلة الاستخدام ويوفر خلفية مثالية لقبول أعمال اللياسة .

متوفر بأشكال مختلفة

Applications

- External walls
- Lower weight safer handling easy to cut and accepts most standard fixings

Package Details

تفاصيل الحزمة

Block Size mm	Block Per Pack	2m Per Pack
200	77	5.76

Technical characteristics

الخصائص الفنية

Face Sizes	400%200 mm	مقاسات الوجه
Dry Density	1000 kg/ m3	الكثافة الجافة
Average pressure strength	3.6 4.2 5.3 /n mm2	متوسط قوة الضغط
Thermal conductivity	0.125 w/mk	الموصلية الحرارية
firefighting	6 hours	مقاومة الحريق
Quality	Insulation	النوعية
The final fabric available	rough, smooth	النسيج النهائي المتاح

Physical properties

الخصائص الفيزيائية

Block Size mm	r. value. m2k/w	density kg/m3	sound reduction rw,db	block weight kg	fire resistance hours
200	2.5	1000	43	10.0	6 hrs

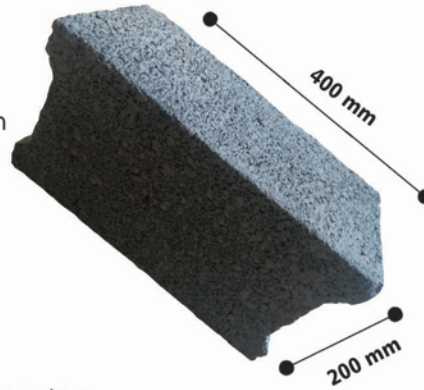
Volcanic hollow volcanic

بركاني السهلي المصمت

Low density raw materials

Solid oak is one of the most common types of balac We have passed through our product list and fit Very for construction

Available in different forms



مواد خام خفيفة الكثافة

البلوك المصمت هو من أكثر أنواع البلوك عمرا ومرونا من قائمة منتجاتنا ومناسب جدا للبناء

متوفر بأشكال مختلفة

Applications

- Inner and outer of extrude cavity walls over story
- Low weight safer handling easy to cut and accepting most standers and heavy - duty fixing

Package Details		تفاصيل الحزمة
Block Size mm	Block Per Pack	2m Per Pack
200	72	5.76

Technical characteristics

الخصائص الفنية

Face Sizes	400%200 mm	مقاسات الوجه
Dry Density	1000 kg/ m3	الكثافة الجافة
Average pressure strength	7.3 16 mpa	متوسط قوة الضغط
Thermal conductivity	0.36 2.5 w/mk	الموصلية الحرارية
firefighting	1.5 3 hours	مقاومة الحريق
Quality	solid	النوعية
The final fabric available	rough, smooth	النسيج النهائي المتاح

Physical properties

الخصائص الفيزيائية

Block Size mm	r. value. m2k/w	density kg/m3	sound reduction rw,db	block weight kg	fire resistance hours
200	0.65	1000	43	17.5	3

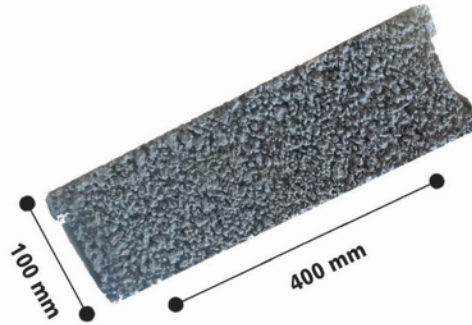
Alsehely Volcanic Solid

بركاني السهلي المصمت

Low density raw materials

Solid oak is one of the most common types of balac We have passed through our product list and fit Very for construction

Available in different forms



مواد خام خفيفة الكثافة

البلك المصمت هو من أكثر أنواع البلك عمرا ومرونا من قائمة منتجاتنا ومناسب جدا للبناء

متوفر بأشكال مختلفة

Applications

- Inner and outer of extrude cavity walls over story
- Low weight safer handling easy to cut and accepting most standers and heavy - duty fixing

Package Details		تفاصيل الحزمة
Block Size mm	Block Per Pack	2m Per Pack
100	72	5.76

Technical characteristics		الخصائص الفنية
Face Sizes	400%100 mm	مقاسات الوجه
Dry Density	1000 kg/ m3	الكثافة الجافة
Average pressure strength	9.5 5.3 /n mm2	متوسط قوة الضغط
Thermal conductivity	0.30 25 w/mk	الموصلية الحرارية
firefighting	3 hours	مقاومة الحريق
Quality	solid	النوعية
The final fabric available	rough, smooth	النسيج النهائي المتاح

Physical properties					الخصائص الفيزيائية
Block Size mm	r. value. m2k/w	density kg/m3	sound reduction rw,db	block weight kg	fire resistance hours
100	0.56	1000	43	10.0	3 hrs

Low density raw materials

Block Hurdy is the ideal solution for relief Loads and weights resulting from roofs of buildings On the foundations and is a structural element diluted For weight and cost in construction

Available in different forms

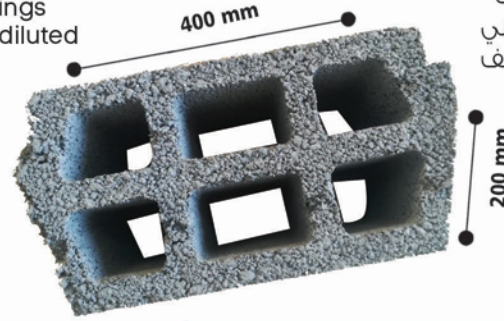
Applications

- Roofs
- Lower weight safer handling easy to cut and accepts most standard fixings

مواد خام بكثافة منخفضة

البلوك الهوردي هو الحل الأمثل لتخفيف الاحمال والاوزان الناتجة من أسطح المباني على الاساسات وهو عنصر انشائي مخفف للوزن والتكلفة في البناء

متوفر بأشكال مختلفة



Package Details		تفاصيل الحزمة
Block Size mm	Block Per Pack	2m Per Pack
200	72	5.76

Technical characteristics		الخصائص الفنية
Face Sizes	400%200 mm	مقاسات الوجه
Dry Density	1000 kg/ m3	الكثافة الجافة
Average pressure strength	9.5 5.3 /n mm2	متوسط قوة الضغط
Thermal conductivity	25 w/mk	الموصلية الحرارية
firefighting	3 hours	مقاومة الحريق
Quality	hourdi	النوعية
The final fabric available	rough, smooth	النسيج النهائي المتاح

Physical properties					الخصائص الفيزيائية
Block Size mm	r. value. m2k/w	density kg/m3	sound reduction rw,db	block weight kg	fire resistance hours
200	0.65	1000	43	10.0	3

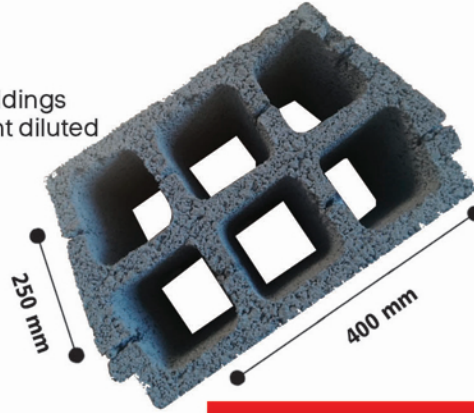
Alsehely volcanic Hurdy

بركاني السهلي الهوردي

Low density raw materials

Block Hurdy is the ideal solution for relief Loads and weights resulting from roofs of buildings On the foundations and is a structural element diluted For weight and cost in construction

Available in different forms



مواد خام بكثافة منخفضة

البلوك الهوردي هو الحل الامثل لتخفيف الاحمال والاوزان الناتجة من أسطح المباني على الاساسات وهو عنصر انشائي مخفف للوزن والتكلفة في البناء

متوفر بأشكال مختلفة

Applications

- Roofs
- Lower weight safer handling easy to cut and accepts most standard fixings

Package Details		تفاصيل الحزمة
Block Size mm	Block Per Pack	2m Per Pack
250	72	5.76

Technical characteristics		الخصائص الفنية
Face Sizes	400%250 mm	مقاسات الوجه
Dry Density	1000 kg/ m3	الكثافة الجافة
Average pressure strength	9.5 5.3 /n mm2	متوسط قوة الضغط
Thermal conductivity	25 w/mk	الموصلية الحرارية
firefighting	3 hours	مقاومة الحريق
Quality	hourdi	النوعية
The final fabric available	rough, smooth	النسيج النهائي المتاح

Physical properties					الخصائص الفيزيائية
Block Size mm	r. value. m2k/w	density kg/m3	sound reduction rw,db	block weight kg	fire resistance hours
250	0.56	1000	43	9.0	3 hrs

Alsehely volcanic Emptied

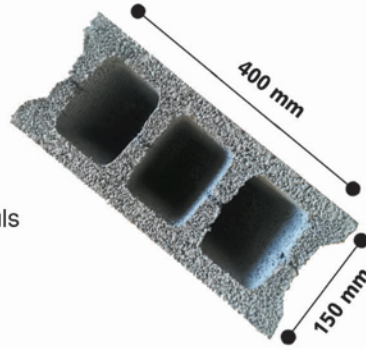
بركاني السهلي المفرغ (ثلاث فتحات)

Low density raw materials

The hollow balc offers the builder a low weight, which is Helps to reduce weight on constructions With the promotion of appropriate thermal properties For a wide range of applications

The volcanic block is made of hollow materials A volcanic ore called Scoria of all sizes

Available in a range of different surfaces soft and rough



مواد خام منخفضة الكثافة

البلوك المفرغ يقدمه للبانى وزن منخفض ، مما يساعد على تخفيض الوزن على الانشاءات مع تعزيز الخصائص الحرارية المناسبة لمجموعة واسعة من التطبيقات .

يصنع بلوك بركاني السهلي المفرغ من مواد خام بركانية تدعى سكوريا بجميع الأحجام .

متوفر بمجموعة أسطح مختلفة (ناعم وخشن)

Applications

- Inner & outer leaf external cavity walls up to storeys
- Internal partition walls
- Standard texture finish provides an excellent surface for mortars renders and plasters
- Lower weight safer handling easy to cut and accepts most standard fixings

Package Details		تفاصيل الحزمة
Block Size mm	Block Per Pack	2m Per Pack
150	72	7.68

Technical characteristics

الخصائص الفنية

Face Sizes	400%150 mm	مقاسات الوجه
Dry Density	1000 kg/ m3	الكثافة الجافة
Average pressure strength	6.2 /n mm2	متوسط قوة الضغط
Thermal conductivity	0.140 w/mk	الموصلية الحرارية
firefighting	4 hours	مقاومة الحريق
Quality	hollow	النوعية
The final fabric available	rough, smooth	النسيج النهائي المتاح

Physical properties

الخصائص الفيزيائية

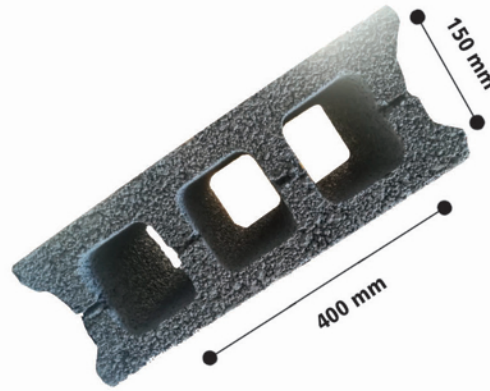
Block Size mm	r. value. m2k/w	density kg/m3	sound reduction rw,db	block weight kg	fire resistance hours
150	5	1000	62	8.0	4

Alsehly volcanic Emptied (ثلاث فتحات) من الجانبين

Light-duty raw materials

The cabbage is wonderful to build from all Areas, it is low in cost And choose the overall use .To accept the work of Elias

Available in different forms



مواد خام خفيفة الكثافة

البلوك المفرغ هو مثالي لبناء من جميع النواحي ، فهو فعال من حيث التكلفة ، وسهلة الاستخدام ويوفر خلفية مثالية لقبول أعمال اللياسة .

متوفر بأشكال مختلفة

Applications

- External walls
- Lower weight safer handling easy to cut and accepts most standard fixings

Package Details		تفاصيل الحزمة
Block Size mm	Block Per Pack	2m Per Pack
150	77	5.76

Technical characteristics		الخصائص الفنية
Face Sizes	400x150 mm	مقاسات الوجه
Dry Density	1000 kg/ m3	الكثافة الجافة
Average pressure strength	6.2 /n mm2	متوسط قوة الضغط
Thermal conductivity	0.140 w/mk	الموصلية الحرارية
firefighting	4 hours	مقاومة الحريق
Quality	hollow	النوعية
The final fabric available	rough, smooth	النسيج النهائي المتاح

Physical properties					الخصائص الفيزيائية
Block Size mm	r. value. m2k/w	density kg/m3	sound reduction rw,db	block weight kg	fire resistance hours
150	3.5	1000	6.2	8.0	4 hrs

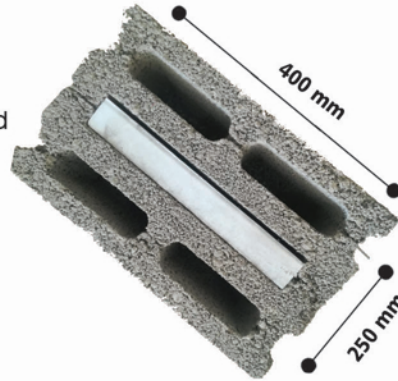
Alsehely volcanic Isolated

بركاني السهلي المعزول

Light-duty raw materials

The insulated flake is ideal for building of all Areas, it is cost-effective
Easy to use and provides perfect background To accept the work of Elias

Available in different forms



مواد خام خفيفة الكثافة

البلك المعزول هو مثالي لبناء من جميع النواحي ، فهو فعال من حيث التكلفة ، وسهلة الاستخدام ويوفر خلفية مثالية لقبول أعمال اللياسة .

متوفر بأشكال مختلفة

Applications

- External walls
- Lower weight safer handling easy to cut and accepts most standard fixings

Package Details		تفاصيل الحزمة
Block Size mm	Block Per Pack	2m Per Pack
250	72	5.76

Technical characteristics		الخصائص الفنية
Face Sizes	400%250 mm	مقاسات الوجه
Dry Density	1000 kg/ m3	الكثافة الجافة
Average pressure strength	3.6 4.2 5.3 /n mm2	متوسط قوة الضغط
Thermal conductivity	0.125 w/mk	الموصلية الحرارية
firefighting	6 hours	مقاومة الحريق
Quality	Insulation	النوعية
The final fabric available	rough, smooth	النسيج النهائي المتاح

Physical properties					الخصائص الفيزيائية
Block Size mm	r. value. m2k/w	density kg/m3	sound reduction rw,db	block weight kg	fire resistance hours
250	0.65	1000	46	13	3

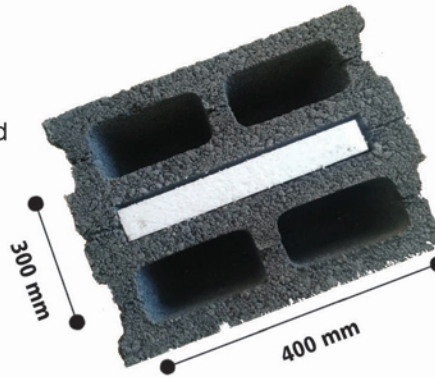
Alsehely volcanic Isolated

بركاني السهلي المعزول

Light-duty raw materials

The insulated flake is ideal for building of all Areas, it is cost-effective Easy to use and provides perfect background To accept the work of Elias

Available in different forms



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البلك المعزول هو مثالي لبناء من جميع النواحي ، فهو فعال من حيث التكلفة ، وسهلة الاستخدام ويوفر خلفية مثالية لقبول أعمال اللياسة .

متوفر بأشكال مختلفة

Applications

- External walls
- Lower weight safer handling easy to cut and accepts most standard fixings

Package Details		تفاصيل الحزمة
Block Size mm	Block Per Pack	2m Per Pack
300	77	5.76

Technical characteristics		الخصائص الفنية
Face Sizes	400%300 mm	مقاسات الوجه
Dry Density	1000 kg/ m3	الكثافة الجافة
Average pressure strength	3.6 4.2 5.3/n mm2	متوسط قوة الضغط
Thermal conductivity	0.125 w/mk	الموصلية الحرارية
firefighting	6 hours	مقاومة الحريق
Quality	Insulation	النوعية
The final fabric available	rough, smooth	النسيج النهائي المتاح

Physical properties					الخصائص الفيزيائية
Block Size mm	r. value. m2k/w	density kg/m3	sound reduction rw,db	block weight kg	fire resistance hours
300	2.5	1000	43	14.0	6 hrs



WATER ABSORPTION FOR HORDY BLOCKS

Owner	Khaled Obaid Cement Products Factory	ACES Report No.	RMRM18000711
Contractor	-	Date Reported	28/07/18
Consultant	-	Sample No.	RMSM18000260
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Ref./R No.	Mr. Mahmoud Hasain
Sample Description	Hordy Volcanic Block 20 Cm	Sampled By	Client's Rep.
Source	Khaled Obaid Factory	Sampling Date and time	N.P
Sample Location	Factory	Sample Size	03 Pieces
Test Method	ASTM C 140/C140M-17	Sample Brl. In By	ACES' Rep.
Test Method Var.	Nil	Date Received	24/07/18
		Date Tested	25/07/18
		Tested By	Jahood
		Reviewed by	Eng. Mohammed Saif
Remarks	Nil	Test Location	KSA
		Lab. Location	ACES-Madinah Lab.
		Reported By	Eng. M-Alyousef

Specimen No.	Water Absorption(%)
1	15.3
2	15.3
3	15.2
Average=	15.3



Eng. Mohamed Al Yousef
Arab Company for Laboratories and Soil - Medina



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Website: www.aces-int.com



شركة ذات مسؤولية محدودة رأس المال ٥٠٠٠٠٠٠٠ ريال - ٥٠٠٠٠٠٠٠ ريال



FIRE RESISTANCE FOR HORDY VOLCANIC BLOCK

Owner	Khaled Obaid Cement Products Factory	Report No.	RMRM18000712
Contractor	-	Date Reported	25/07/18
Consultant	-	Sample No.	RMSM18000260
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Reference	Eng. Mahmoud Mohammed
Sample Description	Hordy Volcanic Block 20 Cm	Sampled By	Client's Rep.
Supplier	Khalid Obaid Cement Product. Factory	Sampling Date	N.P.
Test Method	ACI 216.1 (Calculation Method)	Sample Brl. In By	Client's Rep.
Test Method Var.	ACI 216.1	Date Received	24/07/18
Remark	Nil	Tested By	Mohammed Saif
		Reported By	Eng. M-Alyousef

Test Results Of Fire Resistance

Type	Hoc No.	Average Dimensions						Fire Resistanc (Hours)		
		No. of Sides	Length of Side (cm)	Width of Side (cm)	No. of Holes	Length of Hole (cm)	Width of Holes (cm)		Depth of Holes (cm)	Equivalent Thickness (cm)
400x200x200	1	2.0	3.9	3.4	6	6.40	5.500	20.000	6.815	0.758



Eng. Mohamed Al Yousef
Arab Company for Laboratories and Soil - Medina



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Website: www.aces-int.com



شركة ذات مسؤولية محدودة رأس المال ٥٠٠٠٠٠٠٠ ريال - ٥٠٠٠٠٠٠٠ ريال



Arab Company العربية
For Laboratories and Soil للتجارب والتربة

COMPRESSIVE STRENGTH FOR HORDY BLOCKS

Owner	Khaled Obaid Cement Products Factory	ACES Report No.	RMRM18000728
Contractor	-	Date Reported	28/07/18
Consultant	-	Sample No.	RMSM18000260
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Ref./R. No.	Mr. Mahmoud Hasain
Sample Description	Hordy Volcanic Block 20 Cm	Sampled By	Client's Rep.
Source	Khaled Obaid Factory	Sampling Date and time	N.P.
Sample Location	Factory	Sampling Cert.	N.P.
Lot Size	N/A	Sample Size	03 Pieces
Test Method	ASTM C 140/C140M-17	Sample Brt. Is By	ACES' Rep.
Test Method Var.	Nil	Date Received	24/07/18
		Date Tested	28/07/18
		Tested By	Jahod
		Reviewed by	Eng. Mohammed Saif
Remarks	Nil	Test Location	KSA
		Lab. Location	ACES-Madinah Lab.
		Reported By	Eng. M-Alyousef

Test Results

Sp No.	Measured Dimensions (cm)	Bulk Density (g/cm ³)	Comp. Strength (Gross Area) (N/mm ²)	Comp. Strength (Net Area) (N/mm ²)
1	40x20x20	2.11	1.2	1.9
2	40x20x20	2.15	1.4	2.3
3	40x20x20	2.16	1.3	2.1
Minimum			1.2	1.9
Average			1.3	2.1

Note: The test results represent the submitted sample only.



0000222106

Eng. Mohamed Al Yousef
Arab Company for Laboratories and Soil - Medina

الشركة العربية
للجارب والتربة
في المدينة
Medinah Branch Reports

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شركة ذات مسؤولية محدودة رأس المال ٥.٠٠٠.٠٠٠.٠٠٠



Arab Company العربية
For Laboratories and Soil للتجارب والتربة

TEST REPORT FOR FIRE RESISTANCE FOR THERMAL VOLCANIC BLOCK

Owner	Khaled Obaid Cement Products Factory	Report No.	RMRM18000721
Contractor	N.P.	Date Reported	28/07/18
Consultant	N.P.	Sample No.	RMSM18000263
Project No.	N.P.	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Reference	Eng. Mahmoud Mohammed
Sample Description	Thermal Volcanic Block 40*30*20 CM	Sampled By	Client's Rep.
Supplier	Kalid Obaid Cement Product Factory	Sampling Date	ACES' Rep.
Test Method	ACI 216.1 (Calculation Method)	Sample Brt. In By	N.P.
Test Method Var.	ACI 216.1	Date Received	24/07/18
Remark	Nil	Tested By	Mohammed Saif
		Reported By	Eng. M-Alyousef

Test Results Of Fire Resistance

Type	Block No.	No. of Sides	Average Dimensions			Length of Hole (cm)	Width of Holes (cm)	Depth of Holes (cm)	Equivalent Thickness (cm)	Fire Resistan ce (Hours)
			Length of Side (cm)	Width of Side (cm)	No. of Holes					
400x250x200	1	0.0	0.0	0.0	4	13.00	4.000	15.900	8.293	1.274



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Eng. Mohamed Al Yousef
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شركة ذات مسؤولية محدودة رأس المال ٥.٠٠٠.٠٠٠.٠٠٠



FIRE RESISTANCE FOR THERMAL VOLCANIC BLOCKS

Owner	Khaled Obaid Cement Products Factory	Report No.	RMRM18000718
Contractor	-	Date Reported	28/07/18
Consultant	-	Sample No.	RMSM18000262
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Reference	Eng.Mahmoud Mohammed
Sample Description	Thermal Volcanic Block 40*20*20 CM	Sampled By	Client's Rep.
Supplier	Kalid Obaid Cement Product Factory	Sampling Date	N.P.
Test Method	ACI 216.1(Calculation Method)	Sample Brt. In By	Client's Rep.
Test Method Var.	-	Date Received	24/07/18
Remark	Nil	Tested By	Mohammed Saif
		Reported By	Eng. M-Alyousef

Test Results Of Fire Resistance

Type	Block No.	Average Dimensions							Fire Resistance (Hours)	
		No. of Sides	Length of Side (cm)	Width of Side (cm)	No. of Holes	Length of Hole (cm)	Width of Holes (cm)	Depth of Holes (cm)		Equivalent Thickness (cm)
400x150x200	1	2.0	8.5	1.2	6	9.20	2.600	15.200	16.763	4.235



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شركة ذات مسؤولية محدودة رأس المال: ٥٠٠.٠٠٠.٠٠٠ ر.س

COMPRESSIVE STRENGTH FOR HOLLOW BLOCKS

Owner	Khaled Obaid Cement Products Factory	ACES Report No.	RMRM18000707
Contractor	-	Date Reported	28/07/18
Consultant	-	Sample No.	RMSM18000259
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Ref./R. No.	Mr. Mahmoud Hassin
Sample Description	Volcanic Block 40*20*20 CM (03 Hollow)	Sampled By	Client's Rep.
Source	Khaled Obaid Factory	Sample Size	03 Pieces
Test Method	ASTM C 140/C140M-17	Sample Brt. In By	ACES' Rep.
Test Method Var.	Nil	Date Received	24/07/18
		Date Tested	28/07/18
		Tested By	Jahood
		Reviewed by	Eng. Mohammed Saif
Remarks	Nil	Test Location	KSA
		Lab. Location	ACES-Madinah Lab.
		Reported By	Eng. M-Alyousef

Sp. No.	Measured Dimensions (cm)	Bulk Density (g/cm³)	Comp. Strength (Gross Area) (N/mm²)	Comp. Strength (Net Area) (N/mm²)
1	40x20x20	1.18	1.9	2.3
2	40x20x20	1.17	0.8	1.9
3	40x20x20	1.23	1.2	2.6
Minimum=			0.8	1.9
Average =			1.0	2.3

Note: The test results represent the submitted sample only.



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شركة ذات مسؤولية محدودة رأس المال: ٥٠٠.٠٠٠.٠٠٠ ر.س



WATER ABSORPTION OF THERMAL VOLCANIC BLOCKS

Owner	Khalid Obaid Cement Products Factory	ACES Report No.	RMRM18000717
Contractor	-	Date Reported	28/07/18
Consultant	-	Sample No.	RMSM18000262
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Ref./R No.	Mr. Mahmoud Hasain
Sample Description	Thermal Volcanic Block 40*20*20 CM	Sampled By	Client's Rep.
Source	Khalid Obaid Factory	Sampling Date and time	N.P
Sample Location	Factory	Sampling Cert.	N.P
Lot Size	N/A	Sample Size	03 Pieces
Test Method	ASTM C 140/C140M-17	Sample Brl. In By	ACES Rep.
Test Method Var.	Nil	Date Received	24/07/18
		Date Tested	25/07/18
		Tested By	Jahood
		Reviewed by	Eng. Mohammed Saif
Remarks	Nil	Test Location	KSA
		Lab. Location	ACES-Madinah Lab.
		Reported By	Eng. M-Alyousef

Specimen No.	Water Absorption(%)
1	18
2	17.5
3	17.0
Average	17.5



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شركة ذات مسؤولية محدودة - ١٤٤٠ هـ / ٢٠١٩ م



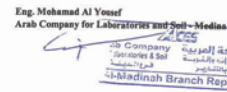
COMPRESSIVE STRENGTH FOR THERMAL VOLCANIC BLOCKS

Owner	Khalid Obaid Cement Products Factory	ACES Report No.	RMRM18000716
Contractor	-	Date Reported	28/07/18
Consultant	-	Sample No.	RMSM18000262
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Ref./R No.	Mr. Mahmoud Hasain
Sample Description	Thermal Volcanic Block 40*20*20 CM	Sampled By	Client's Rep.
Source	Khalid Obaid Factory	Sampling Date and time	N.P
Sample Location	Factory	Sample Size	03 Pieces
Test Method	ASTM C 140/C140M-17	Sample Brl. In By	ACES Rep.
Test Method Var.	Nil	Date Received	24/07/18
		Date Tested	28/07/18
		Tested By	Jahood
		Reviewed by	Eng. Mohammed Saif
Remarks	Nil	Test Location	KSA
		Lab. Location	ACES-Madinah Lab.
		Reported By	Eng. M-Alyousef

Test Result

Sp No.	Measured Dimensions (cm)	Bulk Density (g/cm ³)	Comp. Strength (Gross Area) (N/mm ²)	Comp. Strength (Net Area) (N/mm ²)
1	40x20x20	1.02	1.8	2.9
2	40x20x20	1.03	1.8	2.9
3	40x20x20	1.01	1.8	2.9
Minimum			1.8	2.9
Average			1.8	2.9

Note: The test results represent the submitted sample only.



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شركة ذات مسؤولية محدودة - ١٤٤٠ هـ / ٢٠١٩ م



WATER ABSORPTION FOR HOLLOW BLOCKS

Owner	Khalid Obaid Cement Products Factory	ACES Report No.	RMRM18000708
Contractor	-	Date Reported	28/07/18
Consultant	-	Sample No.	RMSM18000259
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Ref./IR No.	Mr. Mahmood Hainin
Sample Description	Volcanic Block 40*20*20 CM (03 Hollow)	Sampled By	Client's Rep.
Source	Khalid Obaid Factory	Sampling Date	N.P
Sample Location	Factory	Sampling Cert.	N.P
Lot Size	N/A	Sample Size	03 Pieces
Test Method	ASTM C 140/C140M-17	Sample Brt. in By	ACES' Rep.
Test Method Var.	Nil	Date Received	24/07/18
		Date Tested	25/07/18
		Tested By	Jahood
		Reviewed by	Eng. Mohammed Saif
Remarks	Nil	Test Location	KSA
		Lab. Location	ACES-Madinah Lab.
		Reported By	Eng. M-Alyousef

Specimen No.	Water Absorption(%)
1	18.7
2	18.2
3	18.4
Average	18.4



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TEST REPORT FOR WATER ABSORPTION FOR HORDY BLOCKS

Owner	Khalid Obaid Cement Products Factory	ACES Report No.	RMRM18000726
Contractor	-	Date Reported	28/7/2018
Consultant	-	Sample No.	RMSM18000265
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Ref./IR No.	Mr. Mahmood Hainin
Sample Description	Hordy Volcanic Block 25 cm	Sampled By	Client's Rep.
Source	Khalid Obaid Factory	Sampling Date and time	N.P
Sample Location	Factory	Sampling Cert.	N.P
Lot Size	N/A	Sample Size	03 Pieces
Test Method	ASTM C 140/C140M-17	Sample Brt. in By	ACES' Rep.
Test Method Var.	Nil	Date Received	24/7/2018
		Date Tested	25/7/2018
		Tested By	Jahood
		Reviewed by	Eng. Mohammed Saif
Remarks	Nil	Test Location	KSA
		Lab. Location	ACES-Madinah Lab.
		Reported By	Eng. M-Alyousef

Specimen No.	Water Absorption(%)
1	16.1
2	16.7
3	16.0
Average	16.3



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COMPRESSIVE STRENGTH FOR HORDY BLOCKS

Owner	Khaled Obaid Cement Products Factory	ACES Report No.	RMRM18000725
Contractor	-	Date Reported	28/7/2018
Consultant	-	Sample No.	RMSM18000265
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Ref./R No.	Mr. Mahmoud Hsein
Sample Description	Hordy Volcanic Block 25 cm	Sampled By	Client's Rep.
Source	Khaled Obaid Factory	Sampling Date and time	N.P
Sample Location	Factory	Sampling Cert.	N.P
Lot Size	N/A	Sample Size	03 Pieces
Test Method	ASTM C 140/C140M-17	Sample Brt. In By	ACES' Rep.
Test Method Var.	Nil	Date Received	24/7/2018
		Date Tested	25/7/2018
		Tested By	Jaheed
		Reviewed by	Eng. Mohammed Saif
Remarks	Nil	Test Location	KSA
		Lab. Location	ACES-Madinah Lab.
		Reported By	Eng. M-Alyousef

Sp No.	Measured Dimensions (cm)	Bulk Density (g/cm ³)	Comp. Strength (Gross Area) (N/mm ²)	Comp. Strength (Net Area) (N/mm ²)
1	40x20x20	1.27	0.99	2.2
2	40x20x20	1.26	1.04	2.3
3	40x20x20	1.30	1.05	2.3
Minimum=			1.0	2.2
Average=			1.0	2.3

Note: The test results represent the submitted sample only.



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FIRE RESISTANCE FOR HOLLOW VOLCANIC BLOCK

Owner	Khaled Obaid Cement Products Factory	Report No.	RMRM18000709
Contractor	-	Date Reported	28/07/18
Consultant	-	Sample No.	RMSM18000259
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Reference	Eng. Mahmoud Mohammed
Sample Description	Volcanic Block 40*20*20 CM (03 Hollow)	Sampled By	Client's Rep.
Supplier	Kalid Obaid Cement Product Factory	Sampling Date	N.P.
Test Method	ACI 216.1 (Calculation Method)	Sample Brt. In By	Client's Rep.
Test Method Var.	ACI 216	Date Received	24/07/18
Remark	Nil	Tested By	Mohammed Saif
		Reported By	Eng. M-Alyousef

Test Results Of Fire Resistance

Type	Block No.	No. of Sides	Length of Side (cm)	Width of Side (cm)	Average Dimensions				Fire Resistant (Hours)	
					No. of Holes	Length of Hole (cm)	Width of Hole (cm)	Depth of Holes (cm)		
400x200x200	1	3.0	13.0	1.9	3	8.70	15.000	17.600	9.535	1.708



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FIRE RESISTANCE FOR HORDY BLOCK

Owner	Khaled Obaid Cement Products Factory	Report No.	RMRM18000727
Contractor	-	Date Reported	28/7/2018
Consultant	-	Sample No.	RMSM18000265
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Reference	Eng.Mahmoud Mohammed
Sample Description	Hordy Volcanic Block 25 cm	Sampled By	Client's Rep.
Supplier	Kalid Obaid Cement Product Factory	Sampling Date	N.P.
Test Method	ACI 216.1(Calculation Method)	Sample Brt. In By	Client's Rep.
Test Method Var.	-	Date Received	24/7/2018
Remark	Nil	Tested By	Mohammed Saif
		Reported By	Eng. M-Alyousef

Test Results Of Fire Resistance

Type	Block No.	Average Dimensions						Fire Resistance (Hours)		
		No. of Sides	Length of Side (cm)	Width of Side (cm)	No. of Holes	Length of Hole (cm)	Width of Hole (cm)		Depth of Hole (cm)	Equivalent Thickness (cm)
40x30x200	1	2.0	3.9	1.9	6	8.80	9.300	20.000	12.410	2.713



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COMPRESSIVE STRENGTH FOR HOLLOW BLOCKS

Owner	Khaled Obaid Cement Products Factory	ACES Report No.	RMRM18000713
Contractor	-	Date Reported	28/7/2018
Consultant	-	Sample No.	RMSM18000261
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Ref./R. No.	Mr. Mahmoud Husein
Sample Description	Volcanic Block 40*20*20 CM (8 Hollow)	Sampled By	Client's Rep.
Source	Khaled Obaid Factory	Sampling Date and time	N.P.
Sample Location	Factory	Sample Size	03 Pieces
Test Method	ASTM C 140/C140M-17	Sample Brt. In By	ACES Rep.
Test Method Var.	Nil	Date Received	24/7/2018
		Date Tested	28/7/2018
		Tested By	Jahood
		Reviewed by	Eng. Mohammed Saif
Remarks	Nil	Test Location	KSA
		Lab. Location	ACES-Madinah Lab.
		Reported By	Eng. M-Alyousef

Test Result

Sp No.	Measured Dimensions (cm)	Bulk Density (g/cm ³)	Comp. Strength (Gross Area) (N/mm ²)	Comp. Strength (Net Area) (N/mm ²)
1	40x20x20	1.20	1.6	2.5
2	40x20x20	1.14	1.8	2.7
3	40x20x20	1.15	2.0	3.1
Minimum=			1.6	2.5
Average=			1.8	2.8

Note: The test results represent the submitted sample only.



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WATER ABSORPTION FOR HOLLOW BLOCKS

Owner	Khalid Obaid Cement Products Factory	ACES Report No.	RMRM18000714
Contractor	-	Date Reported	28/7/2018
Consultant	-	Sample No.	RMSM18000261
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Ref./R No.	Mr. Mahmoud Hassis
Sample Description	Volcanic Block 40*20*20 CM (8Hollow)	Sampled By	Client's Rep.
Source	Khalid Obaid Factory	Sampling Date and time	N.P
Sample Location	Factory	Sampling Cert.	N.P
Test Method	ASTM C 149/C140M-17	Sample Br. In By	ACES' Rep.
Test Method Var.	Nil	Date Received	24/7/2018
		Date Tested	25/7/2018
		Tested By	Jahod
		Reviewed by	Eng. Mohammad Saif
Remarks	Nil	Test Location	KSA
		Lab. Location	ACES Madinah Lab.
		Reported By	Eng. M-Alyousef

Specimen No.	Water Absorption(%)
1	17.8
2	17.8
3	17.0
Average=	17.5

* Normal weight Block



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شركة ذات مسؤولية محدودة رأس المال ٥.٠٠٠.٠٠٠ ر.ي.ت



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FIRE RESISTANCE FOR HOLLOW VOLCANIC BLOCK

Owner	Khalid Obaid Cement Products Factory	Report No.	RMRM18000715
Contractor	-	Date Reported	28/7/2018
Consultant	-	Sample No.	RMSM18000261
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Reference	Eng.Mahmoud Mohammed
Sample Description	Volcanic Block 40*20*20 CM (8 Hollow)	Sampled By	Client's Rep.
Supplier	Kalid Obaid Cement Product Factory	Sampling Date	ACES' Rep.
Test Method	ACI 216.1(Calculation Method)	Sample Br. In By	Client's Rep.
Test Method Var.	ACI 216.1	Date Received	24/7/2018
Remark	Nil	Tested By	Mohammad Saif
		Reported By	Eng. M-Alyousef

Test Results Of Fire Resistance

Type	Block No.	No. of Sides	Average Dimensions			Depth of Holes (cm)	Equivalent Thickness (cm)	Fire Resistance (Hours)		
			Length of Side (cm)	Width of Side (cm)	No. of Holes					
400x200x200	1	2.0	6.3	1.6	4	5.90	3.000	18.000	6.165	0.531



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WATER ABSORPTION FOR THERMAL VOLCANIC BLOCKS

Owner	Khaled Obaid Cement Products Factory	ACES Report No.	RMRM18000720
Contractor	-	Date Reported	28/07/18
Consultant	-	Sample No.	RMSM18000263
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Ref./IR No.	Mr. Mahmoud Hassan
Sample Description	Thermal Volcanic Block 40*30*20 CM	Sampled By	Client's Rep.
Source	Khaled Obaid Factory	Sampling Date and time	N.P
Sample Location	Factory	Sampling Cert.	N.P
Lot Size	N/A	Sample Size	03 Pieces
Test Method	ASTM C 140/C140M-17	Sample Brt. In By	ACES' Rep.
Test Method Var.	Nil	Date Received	24/07/18
		Date Tested	25/07/18
		Tested By	Jabod
		Reviewed by	Eng. Mohammad Saif
Remarks	Nil	Test Location	KSA
		Lab. Location	ACES-Madinah Lab.
		Reported By	Eng. M-Alyousef

Specimen No.	Water Absorption(%)
1	15.5
2	16.0
3	14.5
Average=	15.3



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COMPRESSIVE STRENGTH FOR THERMAL VOLCANIC BLOCKS

Owner	Khaled Obaid Cement Products Factory	ACES Report No.	RMRM18000719
Contractor	-	Date Reported	28/07/18
Consultant	-	Sample No.	RMSM18000263
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Ref./IR No.	Mr. Mahmoud Hassan
Sample Description	Thermal Volcanic Block 40*30*20 CM	Sampled By	Client's Rep.
Source	Khaled Obaid Factory	Sampling Date and time	N.P
Sample Location	Factory	Sampling Cert.	N.P
Lot Size	N/A	Sample Size	03 Pieces
Test Method	ASTM C 140/C140M-17	Sample Brt. In By	ACES' Rep.
Test Method Var.	Nil	Date Received	24/07/18
		Date Tested	28/07/18
		Tested By	Jabod
		Reviewed by	Eng. Mohammed Saif
Remarks	Nil	Test Location	KSA
		Lab. Location	ACES-Madinah Lab.
		Reported By	Eng. M-Alyousef

Sp. No.	Measured Dimensions (cm)	Bulk Density (g/cm ³)	Comp. Strength (Gross Area) (N/mm ²)	Comp. Strength (Net Area) (N/mm ²)
1	40x20x20	1.48	2.3	4.3
2	40x20x20	1.47	2.4	4.5
3	40x20x20	1.45	2.6	4.8
Minimum=			2.3	4.3
Average=			2.4	4.5

Note: The test results represent the submitted sample only.



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Eng. Belal Khamsiah

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TEST REPORT FOR FIRE RESISTANCE FOR THERMAL VOLCANIC BLOCK

Owner	Khaled Obaid Cement Products Factory	Report No.	RMRM18000721 Rev.1
Contractor	N.P.	Date Reported	28/07/18
Consultant	N.P.	Sample No.	RMSM18000263
Project No.	N.P.	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Reference	Eng. Mahmoud Mohammed
Sample Description	Thermal Volcanic Block 40*25*20 CM	Sampled By	Client's Rep.
Supplier	Kalid Obaid Cement Product Factory	Sampling Date	ACES' Rep.
Test Method	ACI 216.1 (Calculation Method)	Sample Brt. In By	N.P.
Test Method Var.	ACI 216.1	Date Received	24/07/18
Remark	Nil	Tested By	Mohammed Saif
		Reported By	Eng. M-Alyousef

Test Results Of Fire Resistance

Type	Block No.	Average Dimensions						Fire Resistanc ce (Hours)		
		No. of Sides	Length of Side (cm)	Width of Side (cm)	No. of Holes	Length of Hole (cm)	Width of Holes (cm)		Depth of Holes (cm)	Equivalent Thickness (cm)
400x250x200	1	0.0	0.0	0.0	4	13.00	4.000	15.900	8.293	1.274



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شركة ذات مسؤولية محدودة رأس المال ٥.٠٠٠.٠٠٠ ر.ي.ع. ٥١١٢.٥٠٠٠٠



COMPRESSIVE STRENGTH FOR THERMAL VOLCANIC BLOCKS

Owner	Khaled Obaid Cement Products Factory	ACES Report No.	RMRM18000719 Rev.1
Contractor	-	Date Reported	28/07/18
Consultant	-	Sample No.	RMSM18000263
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Ref./R No.	Mr. Mahmoud Hassan
Sample Description	Thermal Volcanic Block 40*25*20 CM	Sampled By	Client's Rep.
Source	Khaled Obaid Factory	Sampling Date and time	N.P.
Sample Location	Factory	Sampling Cert.	N.P.
Lot Size	N/A	Sample Size	03 Pieces
Test Method	ASTM C 140/C140M-17	Sample Brt. In By	ACES' Rep.
Test Method Var.	Nil	Date Received	24/07/18
		Date Tested	28/07/18
		Tested By	Jahod
		Reviewed by	Eng. Mohammed Saif
Remarks	Nil	Test Location	KSA
		Lab. Location	ACES-Madinah Lab.
		Reported By	Eng. M-Alyousef

Test Result

Sp No.	Measured Dimmisions (cm)	Bulk Density (g/cm ³)	Comp. Strength (Gross Area) (N/mm ²)	Comp. Strength (Net Area) (N/mm ²)
1	40*25*20	1.48	2.3	4.3
2	40*25*20	1.47	2.4	4.5
3	40*25*20	1.45	2.6	4.8
Minimum=			2.3	4.3
Average=			2.4	4.5

Note: The test results represent the submitted sample only.



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Arab Company العربية
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WATER ABSORPTION FOR THERMAL VOLCANIC BLOCKS

Owner	Khalid Obaid Cement Products Factory	ACES Report No.	RMRM18000720 Rev.1
Contractor	-	Date Reported	28/07/18
Consultant	-	Sample No.	RMSM18000263
Project No.	-	Request No.	RMQM18000134
Project Name	Quality tests for blocks	Client Ref./R No.	Mr. Mahmoud Hasain
Sample Description	Thermal Volcanic Block 40*25*20 CM	Sampled By	Client's Rep.
Source	Khalid Obaid Factory	Sampling Date and time	N.P
Sample Location	Factory	Sampling Cert.	N.P
Lot Size	N/A	Sample Size	03 Pieces
Test Method	ASTM C 140/C140M-17	Sample Brl. In By	ACES' Rep.
Test Method Var.	Nil	Date Received	24/07/18
		Date Tested	25/07/18
		Tested By	Jahood
		Reviewed by	Eng. Mohammed Saif
Remarks	Nil	Test Location	KSA
		Lab. Location	ACES-Madinah Lab.
		Reported By	Eng. M-Alyousef

Specimen No.	Water Absorption(%)
1	15.5
2	16.0
3	14.5
Average=	15.3



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Eng. Mohamed Al Youssef
Arab Company for Laboratories and Soil - Madinah

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TEST REPORT FOR WATER ABSORPTION FOR HORDY BLOCKS

Owner	Khalid Obaid Cement Products Factory	ACES Report No.	RMRM18000726
Contractor	-	Date Reported	28/7/2018
Consultant	-	Sample No.	RMSM18000265
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Ref./R No.	Mr. Mahmoud Hasain
Sample Description	Hordy Volcanic Block 25 cm	Sampled By	Client's Rep.
Source	Khalid Obaid Factory	Sampling Date and time	N.P
Sample Location	Factory	Sampling Cert.	N.P
Lot Size	N/A	Sample Size	03 Pieces
Test Method	ASTM C 140/C140M-17	Sample Brl. In By	ACES' Rep.
Test Method Var.	Nil	Date Received	24/7/2018
		Date Tested	25/7/2018
		Tested By	Jahood
		Reviewed by	Eng. Mohammed Saif
Remarks	Nil	Test Location	KSA
		Lab. Location	ACES-Madinah Lab.
		Reported By	Eng. M-Alyousef

Specimen No.	Water Absorption(%)
1	16.1
2	16.7
3	16.0
Average=	16.3



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COMPRESSIVE STRENGTH FORHORDY BLOCKS

Owner	Khaled Obaid Cement Products Factory	ACES Report No.	RMRM18000725 Rev.1
Contractor	-	Date Reported	28/07/18
Consultant	-	Sample No.	RMSM18000265
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Ref./R. No.	Mr. Mahmoud Haasin
Sample Description	Hordy Volcanic Block 25 cm	Sampled By	Client's Rep.
Source	Khaled Obaid Factory	Sampling Date and time	N.P
Sample Location	Factory	Sampling Cert.	N.P
Lot Size	N/A	Sample Size	03 Pieces
Test Method	ASTM C 140/C140M-17	Sample Brt. In By	ACES' Rep.
Test Method Var.	Nil	Date Received	24/07/18
		Date Tested	25/07/18
		Tested By	Jahed
		Reviewed by	Eng. Mohammed Saif
		Test Location	KSA
Remarks	Nil	Lab. Location	ACES-Madinah Lab.
		Reported By	Eng. M-Alyousef

Sp No.	Measured Dimensions (cm)	Bulk Density (g/cm ³)	Comp. Strength (Gross Area) (N/mm ²)	Comp. Strength (Net Area) (N/mm ²)
1	40×25×20	1.27	0.99	2.2
2	40×25×20	1.26	1.04	2.3
3	40×25×20	1.30	1.05	2.3
Minimum			1.0	2.2
Average			1.0	2.3

Note: The test results represent the submitted sample only.



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شركه ذات مسؤليه محدوده رأس المال ٥.٠٠٠.٠٠٠.٠٠٠ ريال سعودي
 102-94-1002



FIRE RESISTANCE FOR HORDY BLOCK

Owner	Khaled Obaid Cement Products Factory	Report No.	RMRM18000727 Rev.1
Contractor	-	Date Reported	28/07/18
Consultant	-	Sample No.	RMSM18000265
Project No.	-	Request No.	RMQM18000154
Project Name	Quality tests for blocks	Client Reference	Eng.Mahmoud Mohammed
Sample Description	Hordy Volcanic Block 25 cm	Sampled By	Client's Rep.
Supplier	Khaled Obaid Cement Product Factory	Sampling Date	N.P.
Test Method	ACI 216.1(Calculation Method)	Sample Brt. In By	Client's Rep.
Test Method Var.	-	Date Received	24/07/18
Remark	Nil	Tested By	Mohammed Saif
		Reported By	Eng. M-Alyousef

Test Results Of Fire Resistance

Type	Block No.	Average Dimensions							Fire Resistance (Hours)	
		No. of Sides	Length of Side (cm)	Width of Side (cm)	No. of Holes	Length of Hole (cm)	Width of Holes (cm)	Depth of Holes (cm)		Equivalent Thickness (cm)
40×25×20	1	2.0	3.9	1.9	6	8.80	9.300	20.000	12.410	2.713



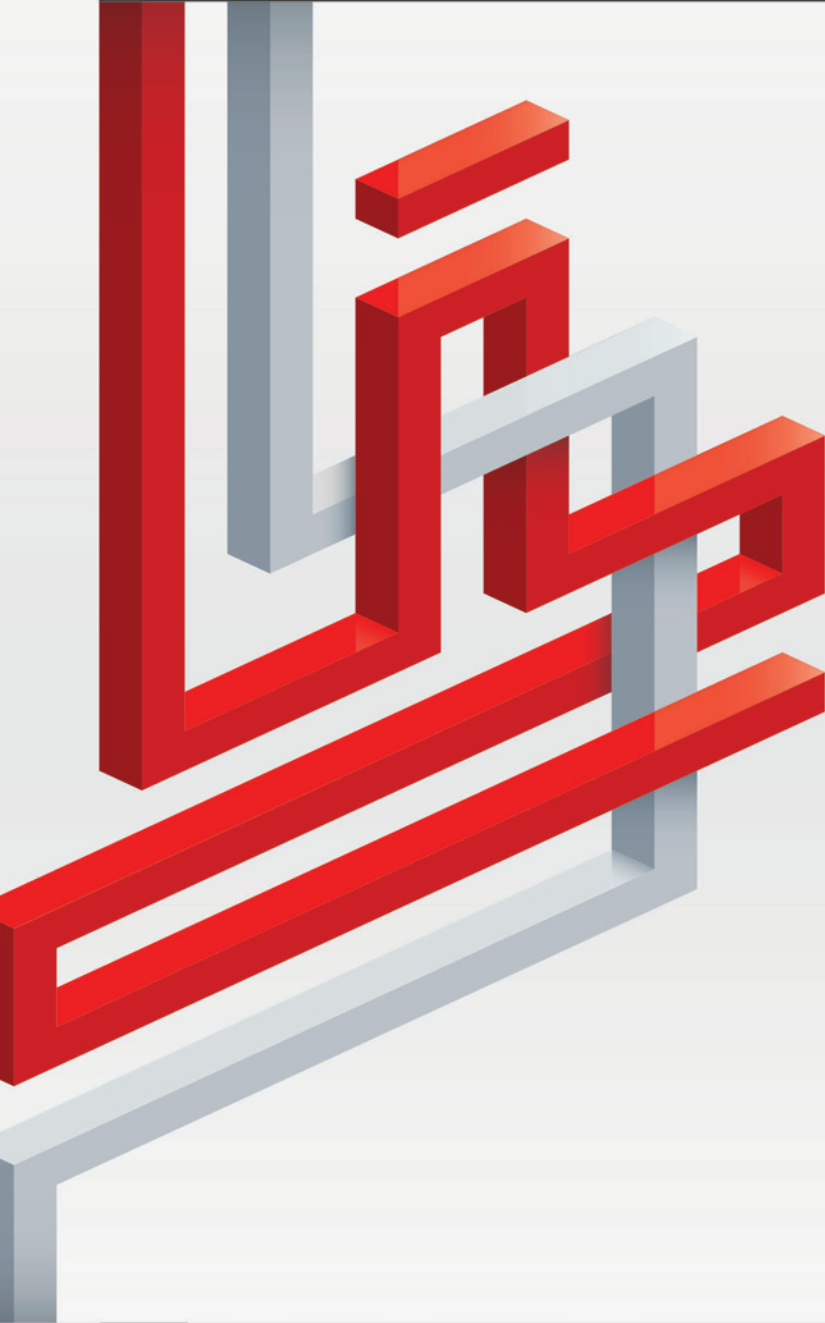
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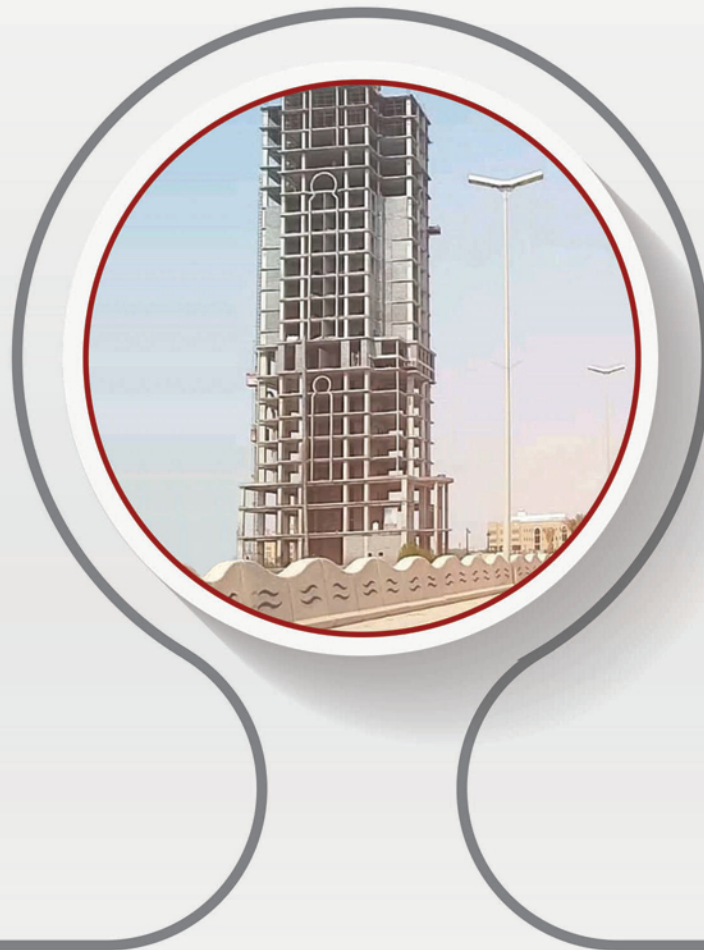


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لوزارة الداخلية بالمدينة المنورة



مشروع

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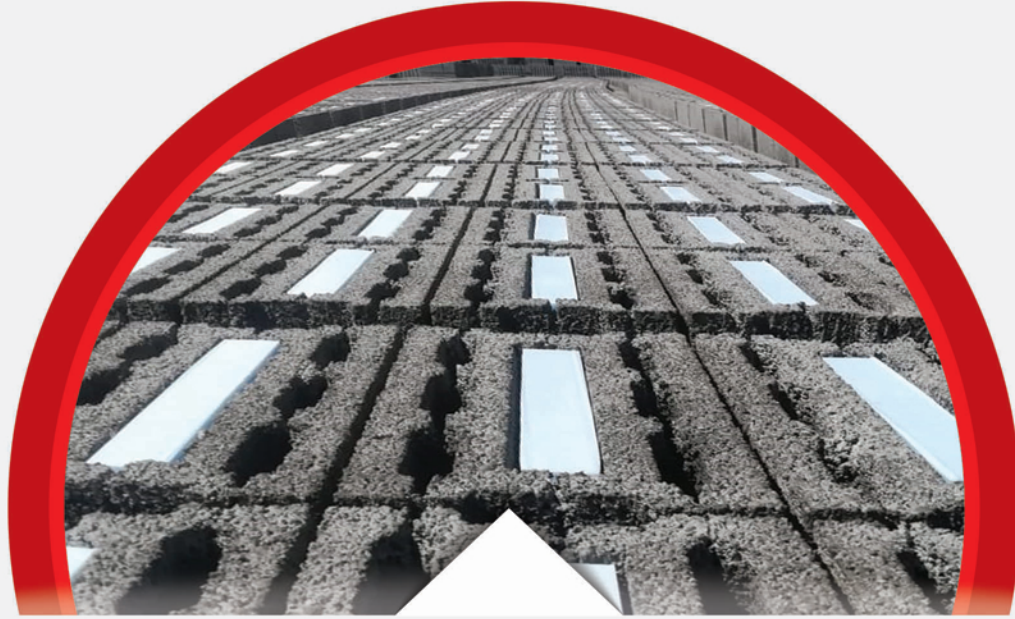
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