



ALAS
ألس الإمارات للطابوق
EMIRATES BLOCKS



binfadelgroup.ae



**SUCCESS
THROUGH
TRUST**



ALAS

ACTROS

414

جاهزة
EMIR

15.25
397

CONTENTS



01

EXECUTIVE MANAGER
MESSAGE

02

ABOUT AEBF

03

ORGANIZATION CHART

04

LOCATIONS

05

EQUIPMENT

06

PRODUCT RANGE

07

QUALITY CONTROL
DEPARTMENT

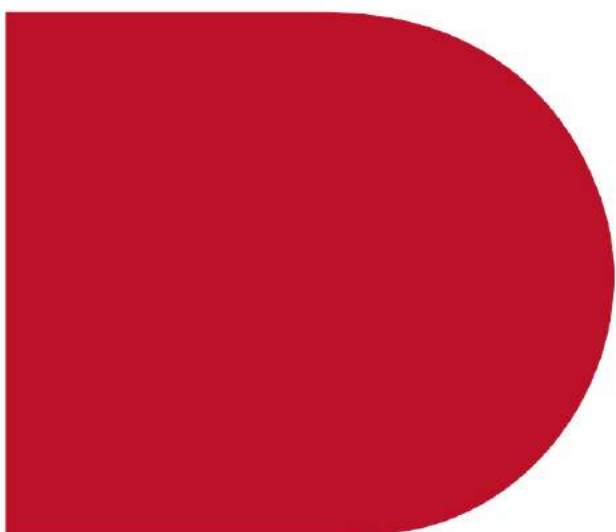
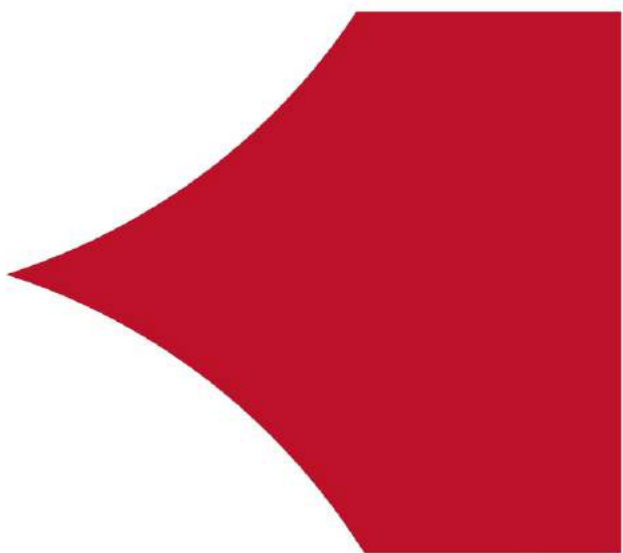
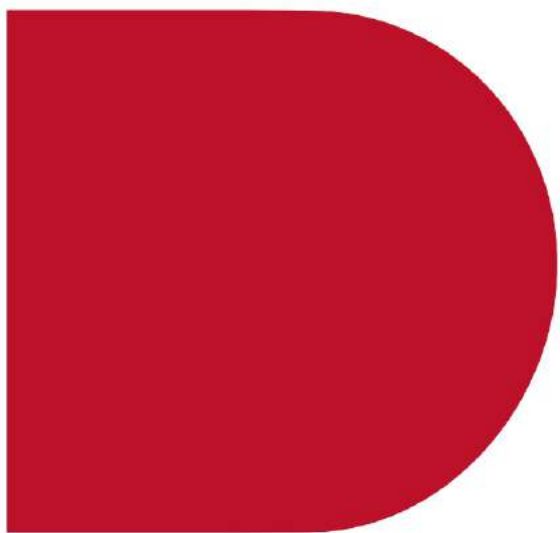
08

QUALITY, ENVIRONMENT,
HEALTH & SAFETY

09

CLIENTS & PROJECTS

OVERVIEW





EXECUTIVE MANAGER MESSAGE

MORE THAN JUST BLOCKS AND PAVING STONES



Welcome to Alas Emirates Blocks L.L.C

Since our establishment as a company in 2008 client's satisfaction remained our top priority we strive to provide the best quality and priced blocks and interlock concrete to all of our customers this attracts many clients to us and puts AEBF at the top of the ratings for blocks suppliers In the Al Ain City. However, the journey to this height of excellent reputation was not so easy at the early time. A high measure of accuracy enthusiasm and The relentless crave for success with this in mind,AEBF emerged with lots more innovative explorations and discoveries towards enhancing top quality blocks and paving stones production and services a legacy we have followed till date Today, we are proud of our name within the emirates (Abu Dhabi) blocks and paving stones industry through hard work and passion to fulfill our Customer Satisfaction. We are regularly discovering new ways to produce commitment,the best quality experience and technology blocks and paving stones logy.

With our products and services remain the best, having highly skilled professionals who are committed to delivering a quality product and service. Our team is completely aware of the increasing environmental challenges that our mother earth is facing, and as a result we move seriously and steadily towards all of the environmental precautionary measures and respond with a high sense of responsibility and partnership to the urgent environmental calls, both locally & globally, by using & supplying an alternative materials which complies with the United Arab. Emirates environmental requirements from the upcoming pages you shall discover our professions, achievements, capabilities and our teamwork which leads us to the top.

Mr. Akram Abd El Kawy
Executive Manager
Alas Emirates Blocks L.L.C



ABOUT US

ALAS Emirates Block Factory was established in 2008 in new Industrial Area Al Ain near Jebel Hafit and later in 2016 sworn into Joint Venture with renowned business Group i.e. Bin Fadel Holding which give new birth to Factory and completely ALAS Emirates Blocks factory is a manufacturer of Building Blocks and Paving Stones. Visitors are welcome to see our product range in our Factory Yard Display Stand. We are equipped with its latest updated plant and machinery which can manufacture products of the best quality available in the market. ALAS Emirates Blocks Factory has internal Lab Testing Procedure to ensure quality of raw materials used and to achieve higher strength, brighter colors of finished products. In our own laboratory we can test the finished products and control internally our quality as well .

We are certified for ISO 9001:2015 Quality Management Systems, ISO 14001 Environmental Management Systems and OHSAS 18001 Occupational Health and Safety Management systems

ALAS Emirates Block Factory, with its own fleet of trucks and trailers can deliver the products even to the remotest areas of Unite Arab Emirates. ALAS Emirates Blocks Factory has a vast yard to accommodate our production and the most demanding delivery schedule can be met as per the client's specific requirements in a very short time

Our track record demonstrates our ability to put the company's core vision and mission into action

VISION


To drive a sustainable development, paralleled with the correct business ethics in order to become the leading supplier of Blocks concrete in the UAE by exceeding expectations in terms of product-quality and customer satisfaction

MISSION

We at AEBF, have chosen to mirror our mission as follows To provide our clients with a superior product through constant innovation and adaptation of technology, focusing on the growing demands in the quality of blocks with prestige and pride

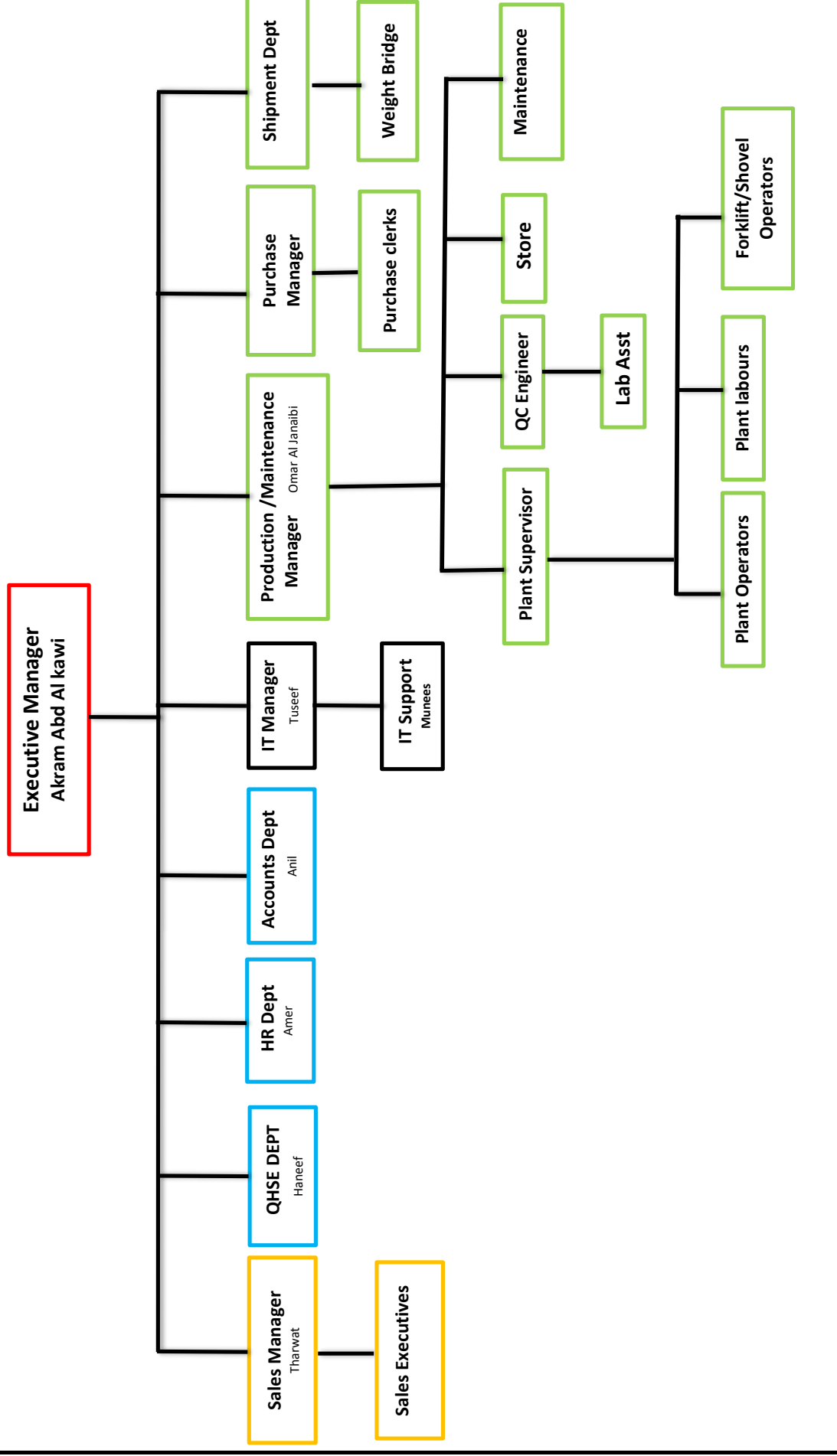
- To be keep in creating a long-term-relationship with our clients by providing .excellent service at the best price.

- To be reliable and flexible in terms of product and service delivery regardless of our clients' project tenure and value.
- To become completely mobile so we can serve our clients in their specific area of need.



**STRONGER STRUCTURE
STRONGER BONDS**

ORGANISATIONAL CHART



Eng-Akram Abd Al kawi
 Executive Manager

SENIOR MANAGEMENT PROFILE

Eng. Petr Celis, Chief Executive Officer

Master Degree in Civil and Structural Engineering, Czech Republic



28 years of sophisticated experience as General and Operations Manager of numerous construction projects including rich expertise in management of ready mix concrete manufacturing companies in Central Europe, Russia and UAE.

Eng. Akram Abd El Kawy

- AEBF Executive Manager,
BFRM Purchase Manager

Bachelor Of Economics in Egypt



23 years of valuable experience in Block & ready mix concrete and Procurement Experience in Egypt, UAE.

Peter Junior, Head of Accountants

Bin Fadel Ready Mix- Alas Emirates Blocks

Bachelor of Commerce, Major in Accounting, India



30 years of worthy experience in management and general accounting in India and U.A.E.

Eng. Omar Al Junaibi

Production Manager

Bachelor of Science in Marine Engineering , Iraq



34 Years experience in industrial sector engineering and 16 years of experience in the brick industry in UAE.

Mr. Tuseef Ahmed, IT Manager

Master Degree in Computer Science, Pakistan



14 Years of experience for IT operations management in Pakistan and U.A.E

Eng. Muneer jadan Qutish, Sales Manager

Diploma in Engineering, Syria



25 years of experience in Marketing & Ready-mix Sales in Excellent communication skills.

Our Clients

H.H. Sheikh Mansour Bin Zayed Al Nahyan
Engineering Office



مكتب المهندس
م.م. الشيخ منصور بن زايد آل نهيان



أدنوك
ADNOC



GHANTOOT GROUP
مجموعة غنتوت



بنك أبوظبي الأول

FAB

First Abu Dhabi Bank

مساندة
Musanada

شركة أبوظبي للخدمات العامة
Abu Dhabi General Services Company



(Carter Goble / Al Barj)
Engineering Consultant





الجابر للنقل والمقاولات العامة ذ.م.م.
Al Jaber Transport &
General Contracting LLC



GBH INTERNATIONAL
CONTRACTING LLC
Diligence is what we believe...



مشن للخدمات العامة ذ.م.م.
MISSION GENERAL SERVICES LLC



مؤسسة صحار للمقاولات والنقل العامة
SAHAR Gen. Cont. & Transport Est.



مؤسسة ماستر بلان للمقاولات العامة
MASTER PLAN
GENERAL CONTRACTING

Mob: +971 50 7852181, 0561004746
Tel : +97137213388
Fax : +97137213388

متحرك : ٥٦١٠٤٧٤٦ - ٥٧٨٥٢١٨١
تلفون : ٣٧٢١٣٣٨٨
فاكس : ٣٧٢١٣٣٨٨

Email: masterplan2030@gmail.com



أم. اتش
للمقاولات العامه



ادارة البناء للمقاولات العامة
Building Management General Contracting





Naseej Al Amara General Contrac...





AL - SHAN
Gen. Cont. & Maint.



RMB
Contracting LLC



واحة الزاوية
WAHAT AL ZAWEYA



Exterior Design & Contracting





القميش الوطنية للمقاولات ذ.م.م

AL QAMISH NATIONAL CONTRACTING L.L.C.



JACOBS®



تريستار للهندسة والانشآت
Tristar Engineering & Construction

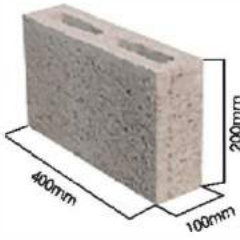


DAARY
داري للمقاولات العامة
GENERAL CONTRACTING

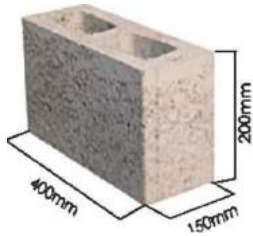


PRODUCTS

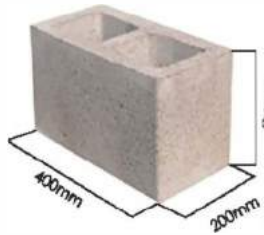
4ⁱⁿ H



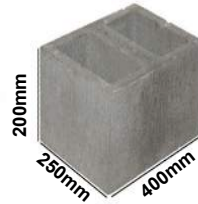
6ⁱⁿ H



8ⁱⁿ H



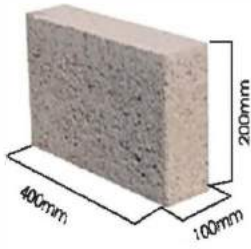
10ⁱⁿ H



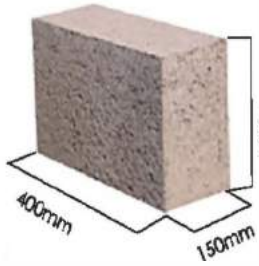
12ⁱⁿ H



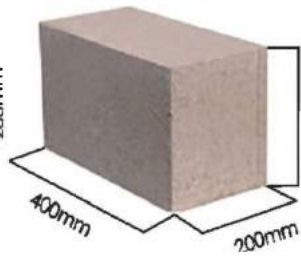
4ⁱⁿ S



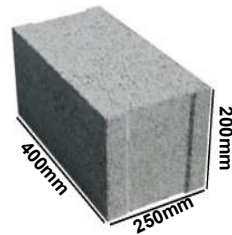
6ⁱⁿ S



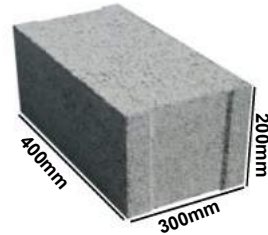
8ⁱⁿ S



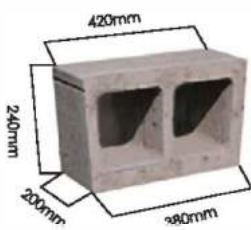
10ⁱⁿ S



12ⁱⁿ S



24^{cm} H



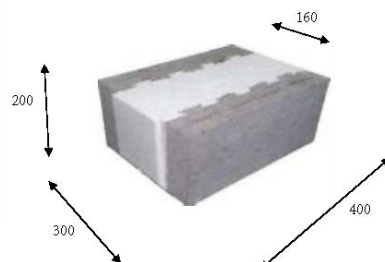
HOURDI

20^{cm} TH



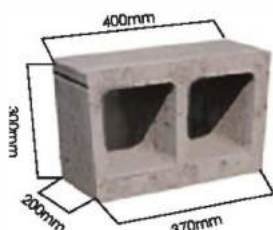
THERMO

30^{cm} TH



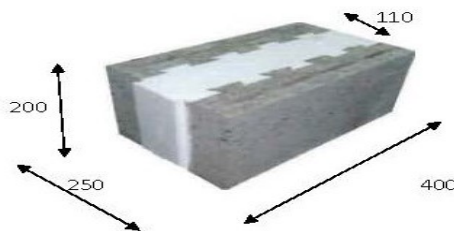
THERMO

30^{cm} H



HOURDI

25^{cm} TH



THERMO

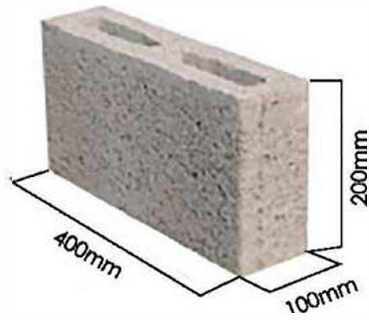
HOLLOW BLOCKS



HOLLOW BLOCKS

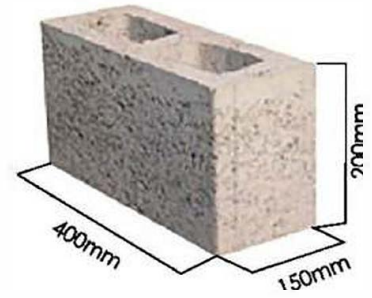
Block Description

H10



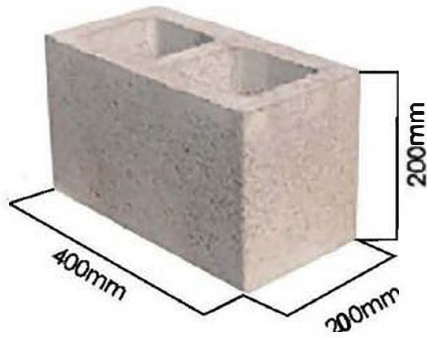
H10 L400 W100 H200mm (4")

H15



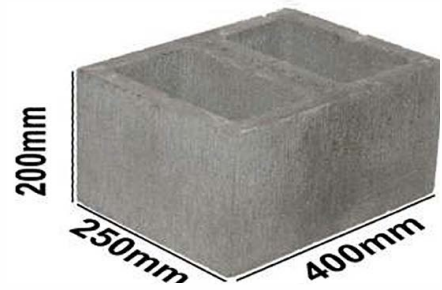
H15 L400 W150 H200mm (6")

H20



H20 L400 W200 H200mm (8")

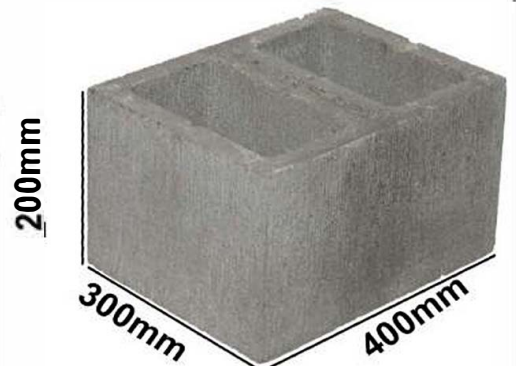
H25



H25 L400 W250 H200mm (10")

Technical details

H30



H30 L400 W300 H200mm (12")

Code	Depth (cm)	Blocks /Bundle	Bundles /Trailer	Blocks /Trailer	Layers /Bundles	PCS /Layers	Weight /Bundle (Ton)	Weight /PCS/(KG)
H10	20	144	24	3456	4	36	2.06	14.3
H15	20	96	24	2304	4	24	1.75	18.3
H20	20	72	24	1728	4	18	1.66	23
H25	20	60	24	1440	4	15	1.59	26.5
H30	20	48	24	1152	4	12	1.56	32.5

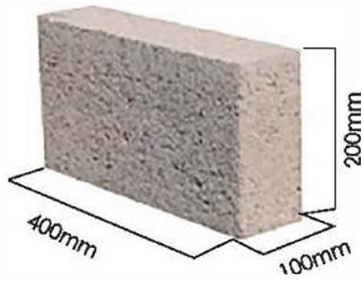
SOLID BLOCKS



SOLID BLOCKS

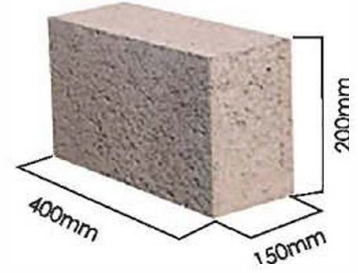
Block Description

S10



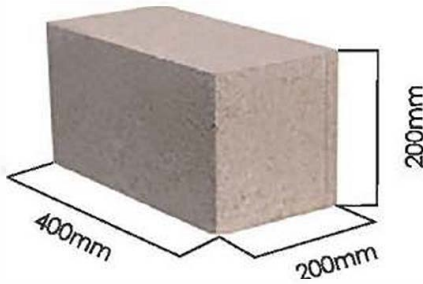
S10 L400 W100 H200mm (4")

S15



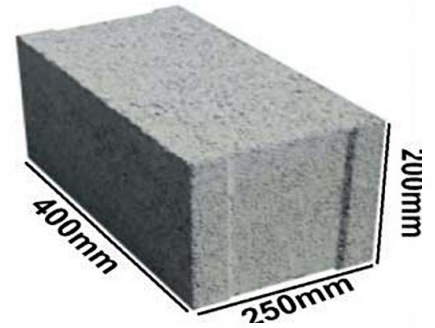
S15 L400 W150 H200mm (6")

S20



S20 L400 W200 H200mm (8")

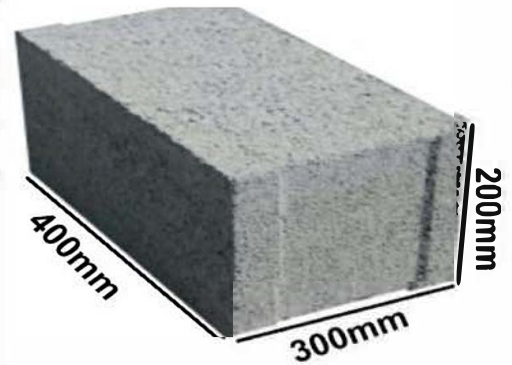
S25



S25 L400 W250 H200mm (10")

Technical details

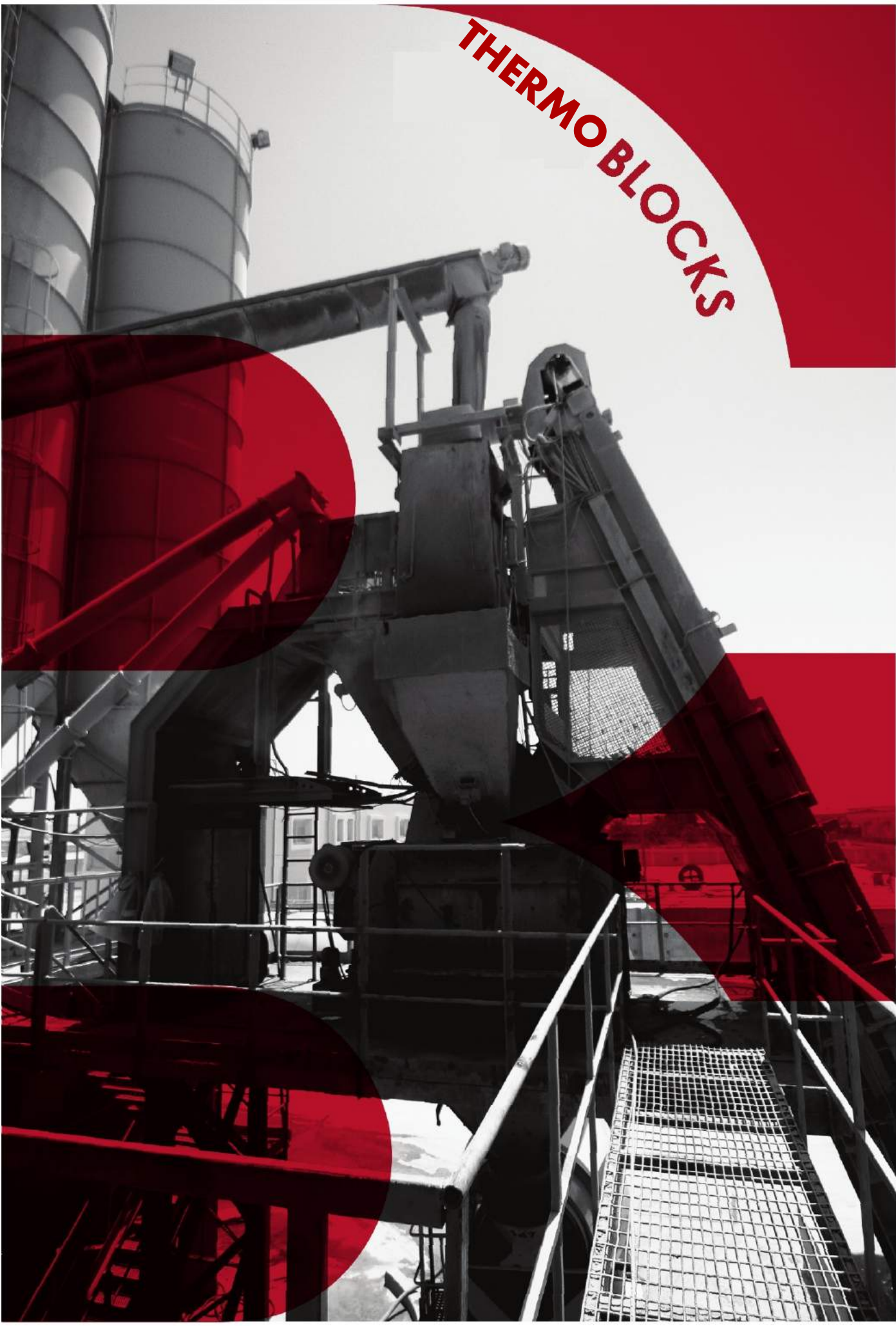
S30



S30 L400 W300 H200mm (12")

Code	Depth (cm)	Blocks /Bundle	Bundles /Trailer	Blocks /Trailer	Layers /Bundles	PCS /Layers	Weight /Bundle (Ton)	Weight /PCS/(KG)
S10	20	108	24	2592	3	36	1.84	17
S15	20	72	24	1728	3	24	1.87	26
S20	20	54	24	1296	3	18	1.97	36.5
S25	20	45	24	1080	3	15	2	44.5
S30	20	36	24	864	3	12	1.93	53.5

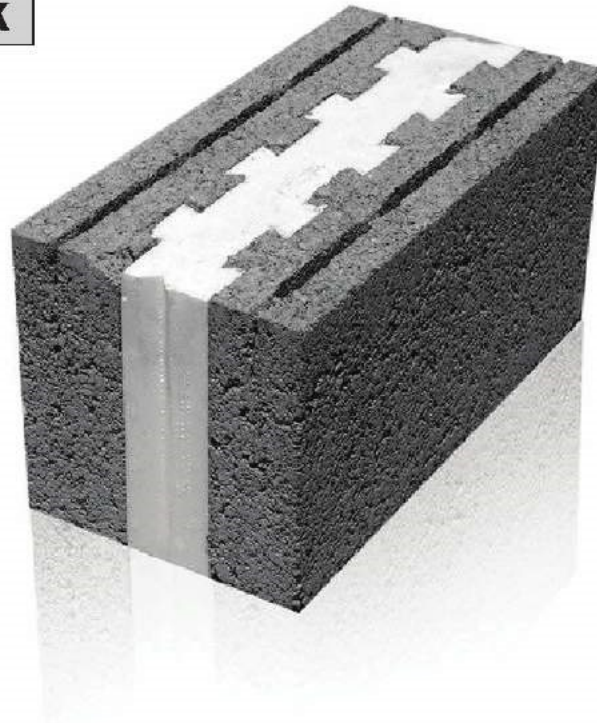
THERMOBLOCKS



INSULATED THERMO BLOCK

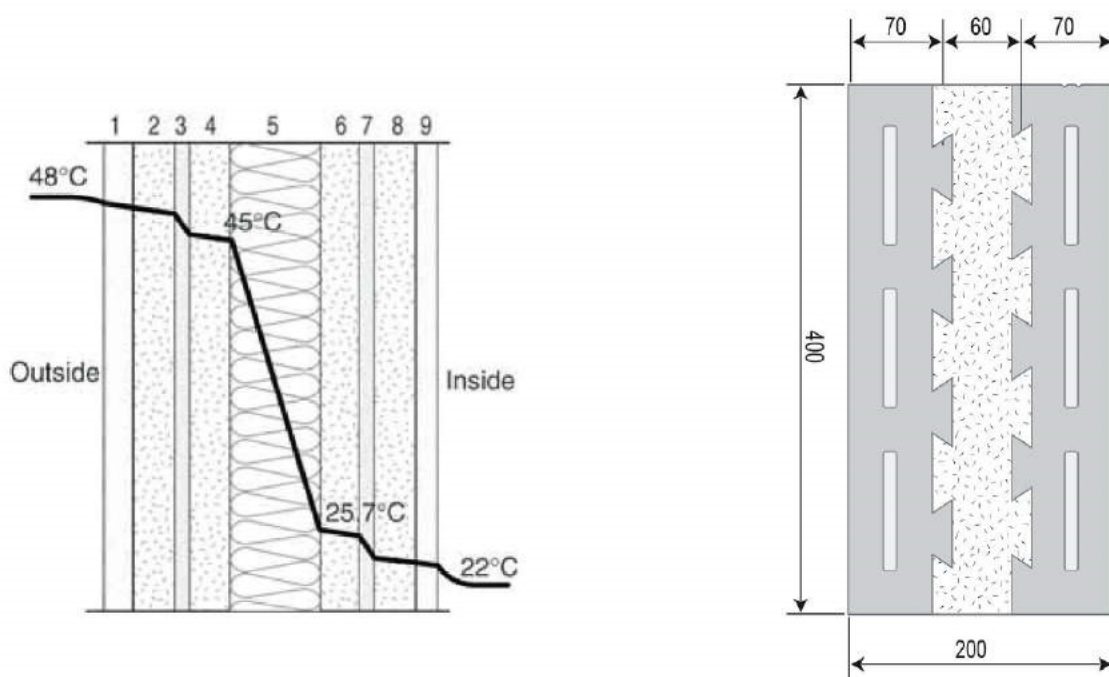
u-value = 0.47 W/m²k

TH 20/6

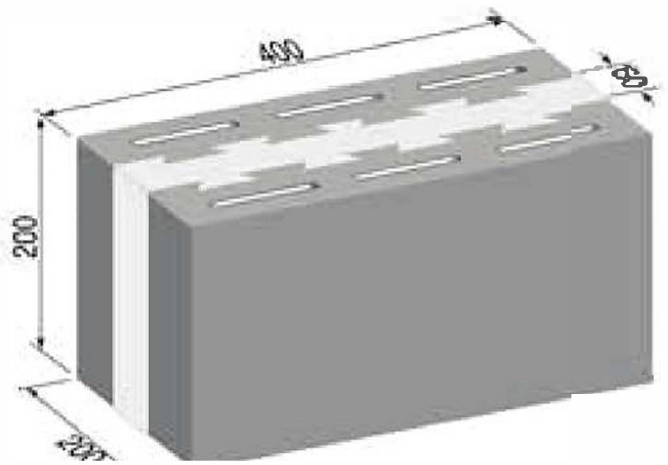
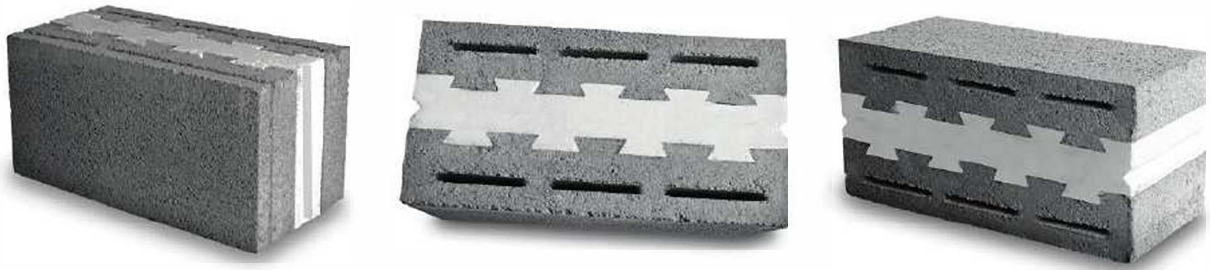


Technical and physical datas of insulation material:

Expanded polystyrene, density = 25 kg/m³ (th 47)



THERMO BLOCK



Technical details

Code	TH 20
Depth (cm)	20
Blocks/Bundle	72
Bundles/Trailer	24
Blocks/Trailer	1728
Layers/Bundles	6
PCS/Layers	12
Weight/Bundle (Ton)	1.66
Weight/PCS(KG)	23



INSULATED THERMO BLOCK

u-value = 0.32 W/m²K

TH 25/11

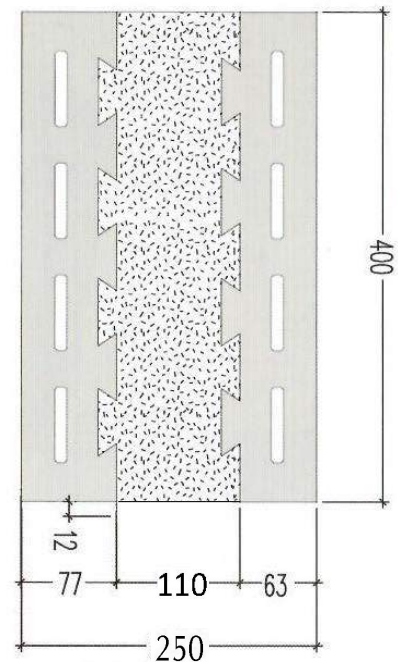


Technical and physical datas of insulation material:

Expanded polystyrene, density = 25 kg/m³

Technical details

Code	TH 25
Depth (cm)	25
Blocks/Bundle	60
Bundles/Trailer	24
Blocks/Trailer	1440
Layers/Bundles	6
PCS/Layers	10
Weight/Bundle (Ton)	1.44
Weight/PCS(KG)	24



THERMO BLOCK

INSULATED THERMO BLOCK

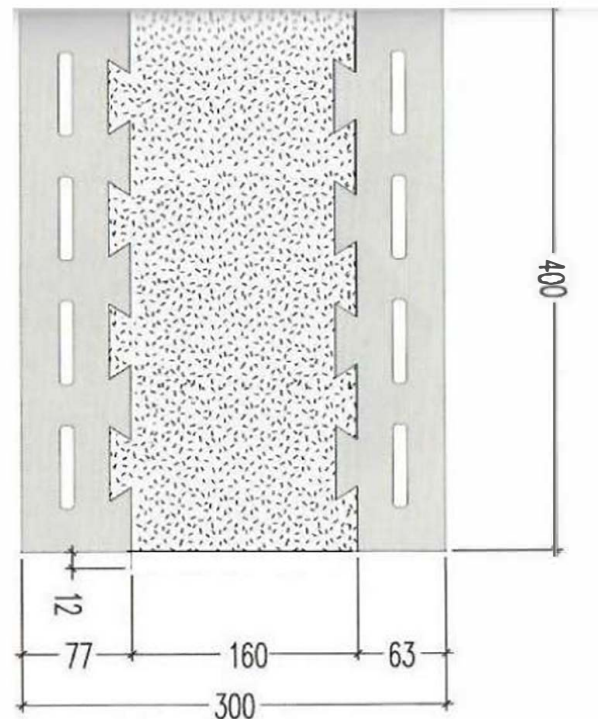
u-value = 0.21 W/m²K

TH 30/16

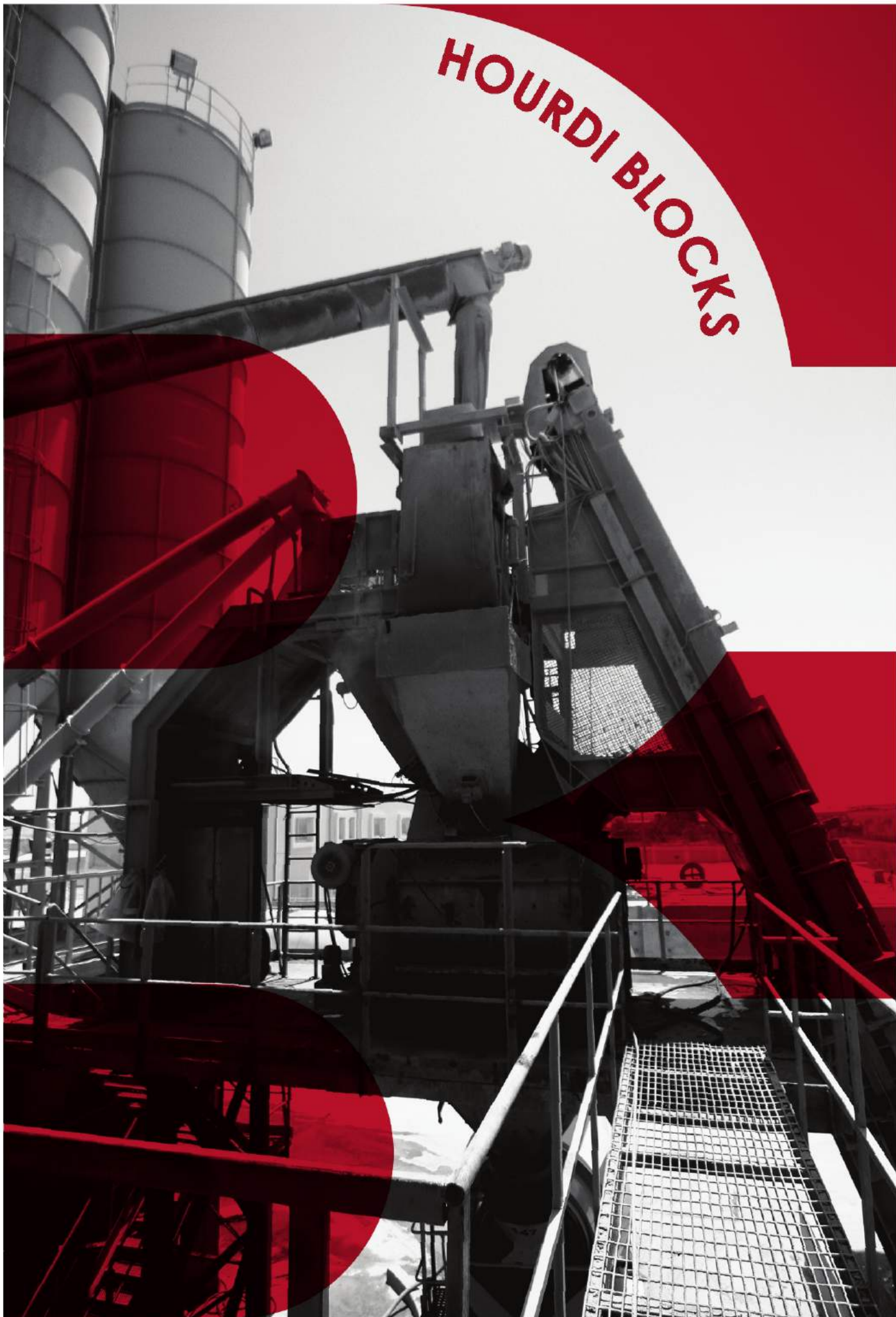


Technical details

Code	TH 30
Depth (cm)	30
Blocks/Bundle	48
Bundles/Trailer	24
Blocks/Trailer	1152
Layers/Bundles	6
PCS/Layers	8
Weight/Bundle (Ton)	1.152
Weight/PCS(KG)	24

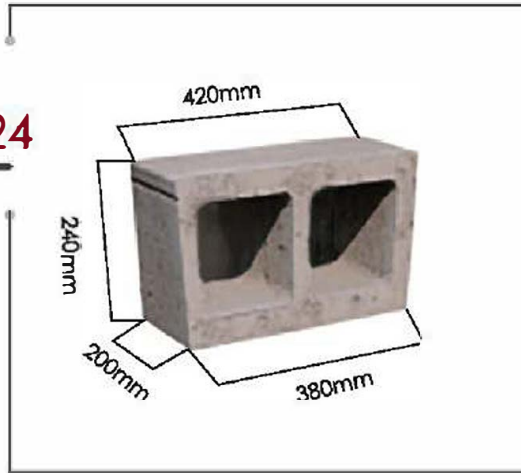


HOURDI BLOCKS

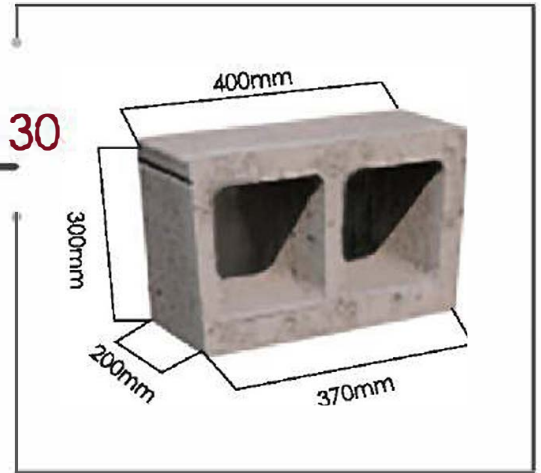


HOURDI BLOCKS

HRDB24



HRDB 30



Block Description

HRDB24 L420/380 W240 H200mm (9.4")

HRDB30 L400/370 W300 H200mm (12")

Technical details

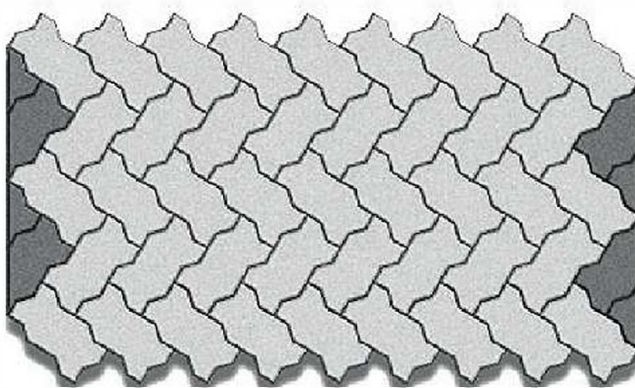
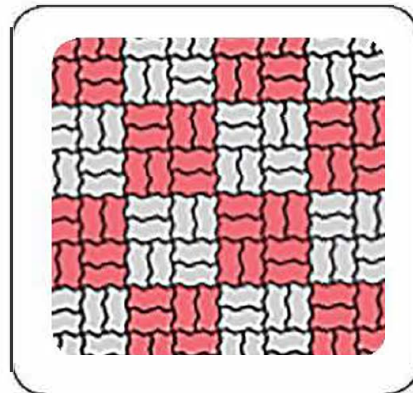
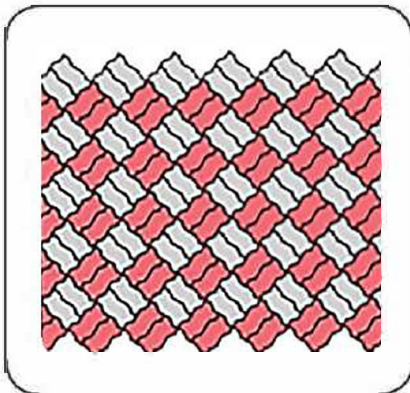
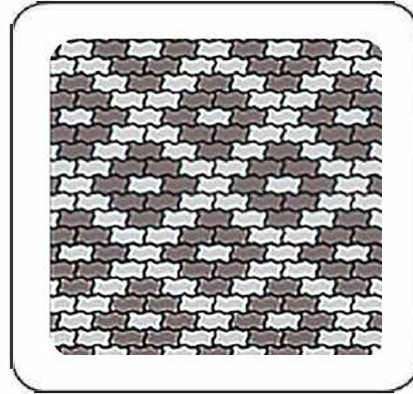
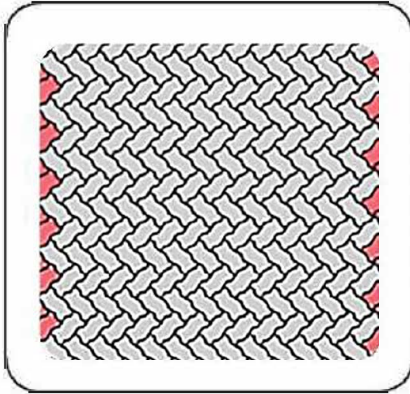
Code	HRDB 24	HRDB 30
Depth (cm)	20	20
Blocks/Bundle	60	48
Bundles/Trailer	24	24
Blocks/Trailer	1440	1152
Layers/Bundles	4	4
PCS/Layers	15	12
Weight/Bundle (Ton)	1.65	1.52
Weight/PCS(KG)	27.5	31.5



PAVING STONES

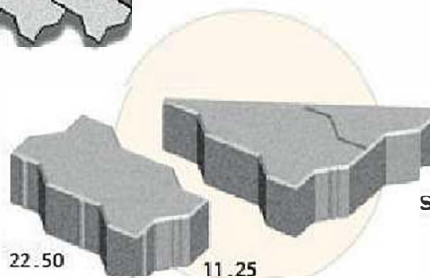
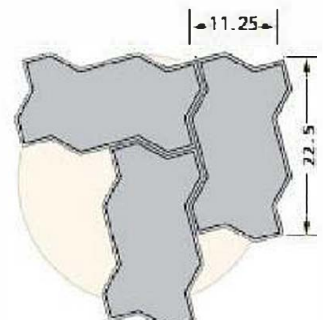


INTER LOCKING PAVING UNI



Format

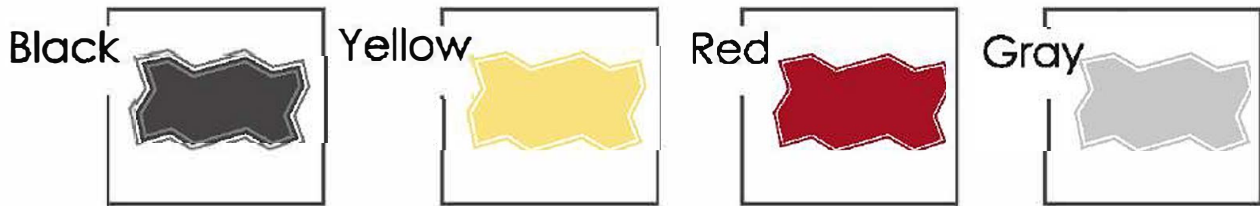
- 11.25 x 22.5 x 6 cm
- 11.25 x 22.5 x 8 cm
- 11.25 x 22.5 x 10 cm



Standard Uni Block pavings are manufactured in 6, 8 and 10 cm thickness



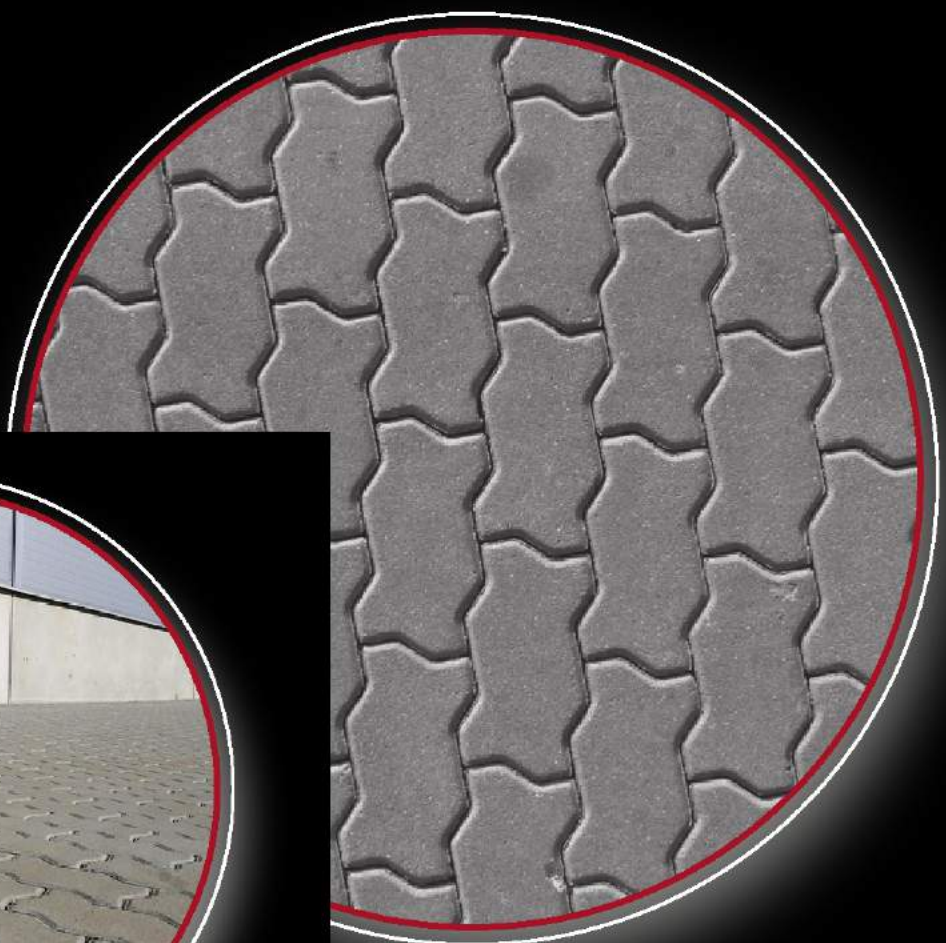
■ Colours available



Technical details

Size	22.5x11.25	22.5x11.25
Thickness of Stone (cm)	8	6
Area per Stone(cm ²)	253.125	253.125
Stones/m ²	39.5	39.5
Weight Kg/m ²	188	141
m ² /Layer	1.265	1.265
m ² /Bundle (8 Layer)	10.12	12.65
m ² /Trailer (24 Bundles)	242.88	303.6

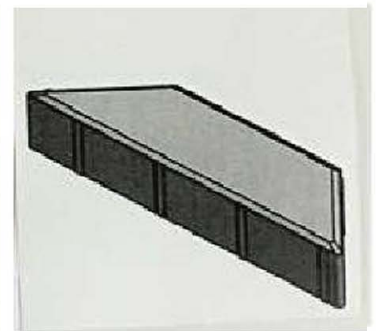
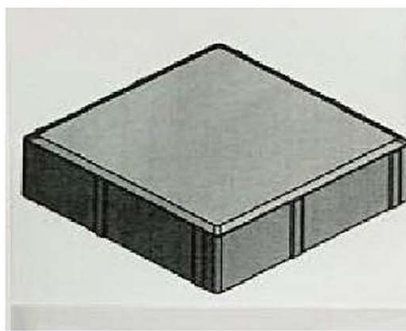
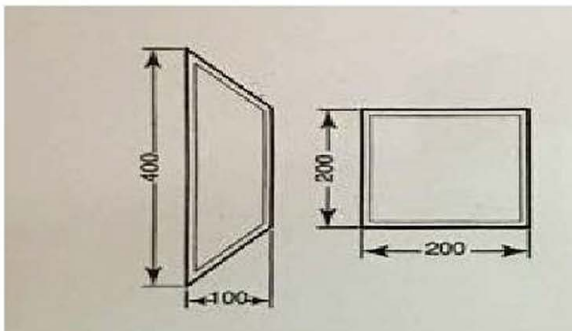
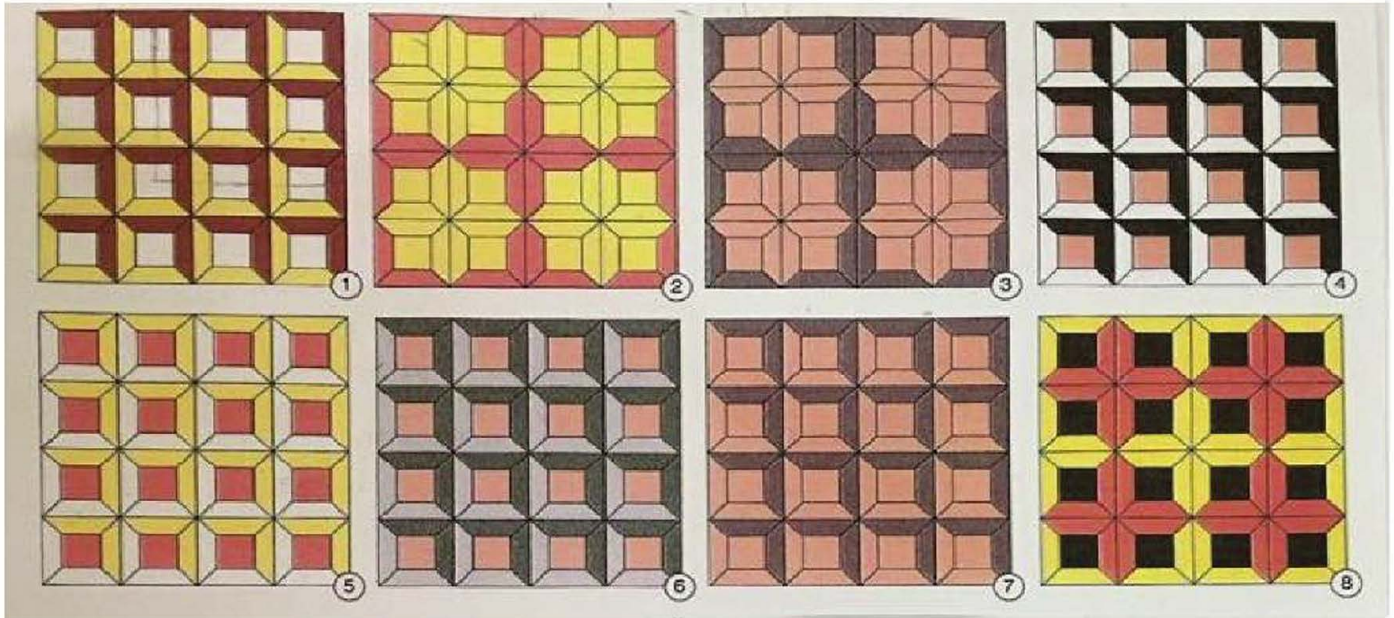






INTER LOCKING PAVING - 3D



INTER LOCKING PAVING - 3D

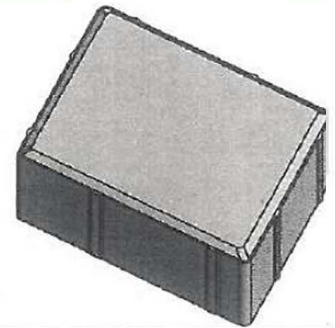
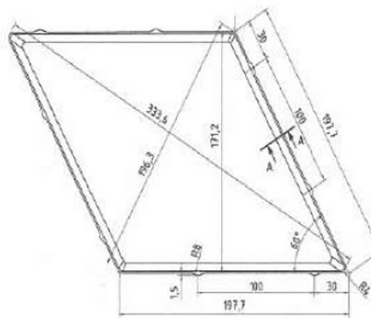
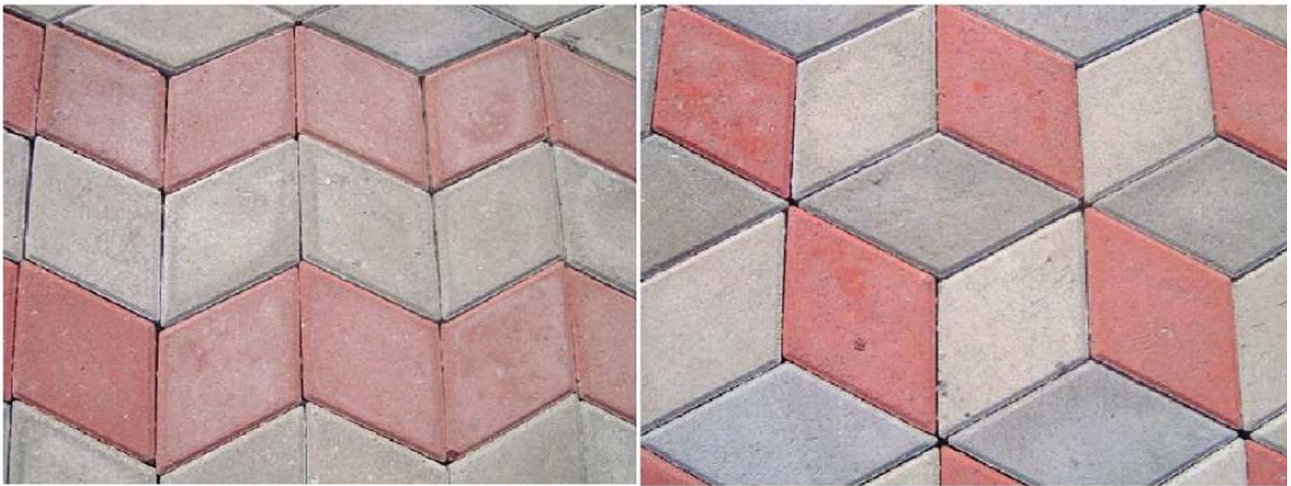


Technical details

Marbella Stones	square 	Trapez 
Thickness of Stone (cm)	6	6
Area per Stone (cm ²)	400	300
Stones/m ²	25	33.3
Weight kg/m ²	141	141
m ² /Layer	1.44	0.9
m ² /Bundle (10 layer)	14.4	9
m ² /Trailer (24 Bundles)	345.6	216



PAVING STONE ROMBA



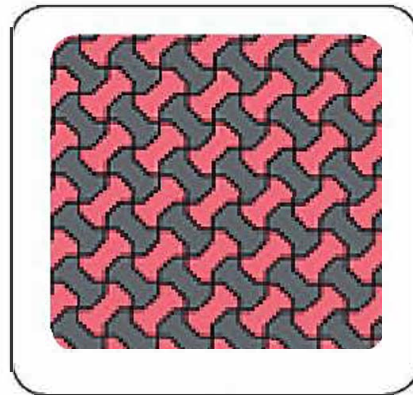
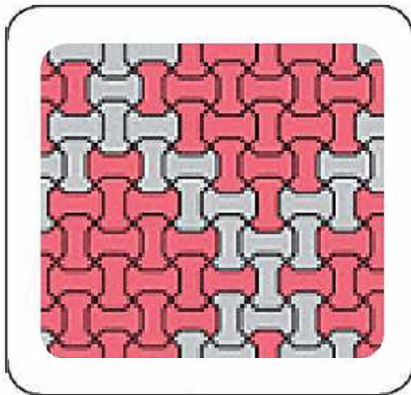
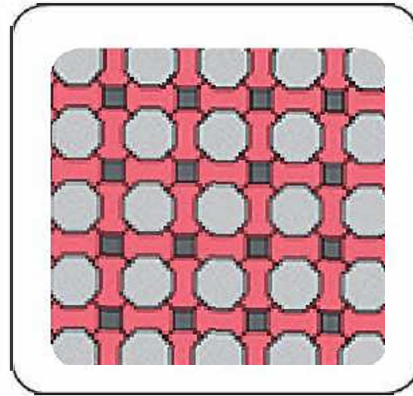
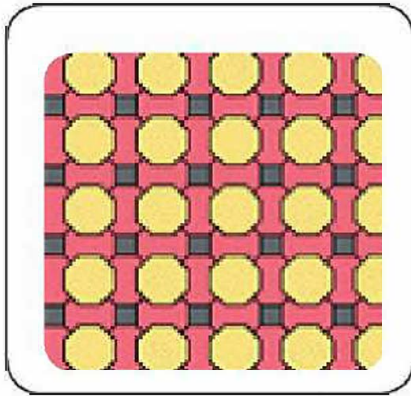
Technical details

SIZE	Romba
Thickness of Stone (cm)	6
Area per Stone (cm ²)	350
Stones/m ²	28.57
Weight kg/m ²	141
m ² /Layer	1.05
m ² /Bundle (10 layer)	10.5
m ² /Trailer (24 Bundles)	252



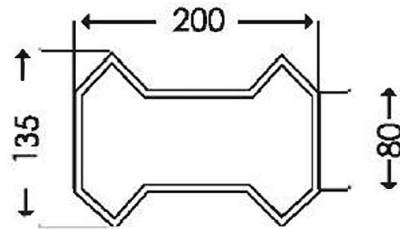


INTER LOCKING PAVING VARIO



Technical details

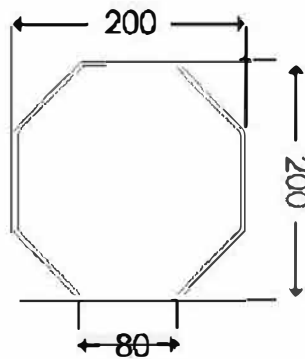
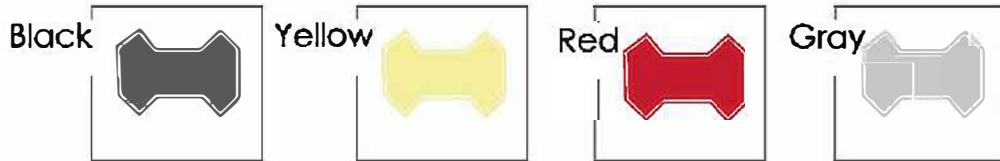
Size	QUADRO	OCTAGONAL	CUBE
Thickness of Stone (cm)	6	6	6
Area per Stone(cm ²)	191.93	335.57	63.98
Stones/m ²	52.1	29.8	156.3
Weight Kg/m ²	141	141	141
m ² /Layer	0.921	1.2	0.998
m ² /Bundle (10 layer)	9.21	12	9.98
m ² /Trailer (24 Bundles)	221.04	288	239.52



QUADRO



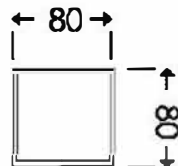
Colours available



OCTAGONAL



Colours available

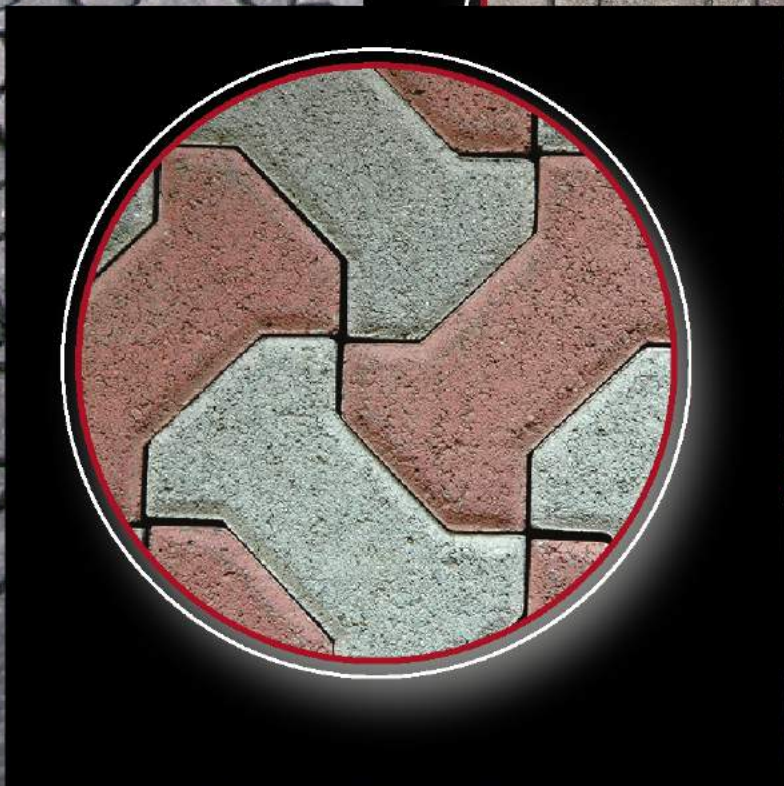
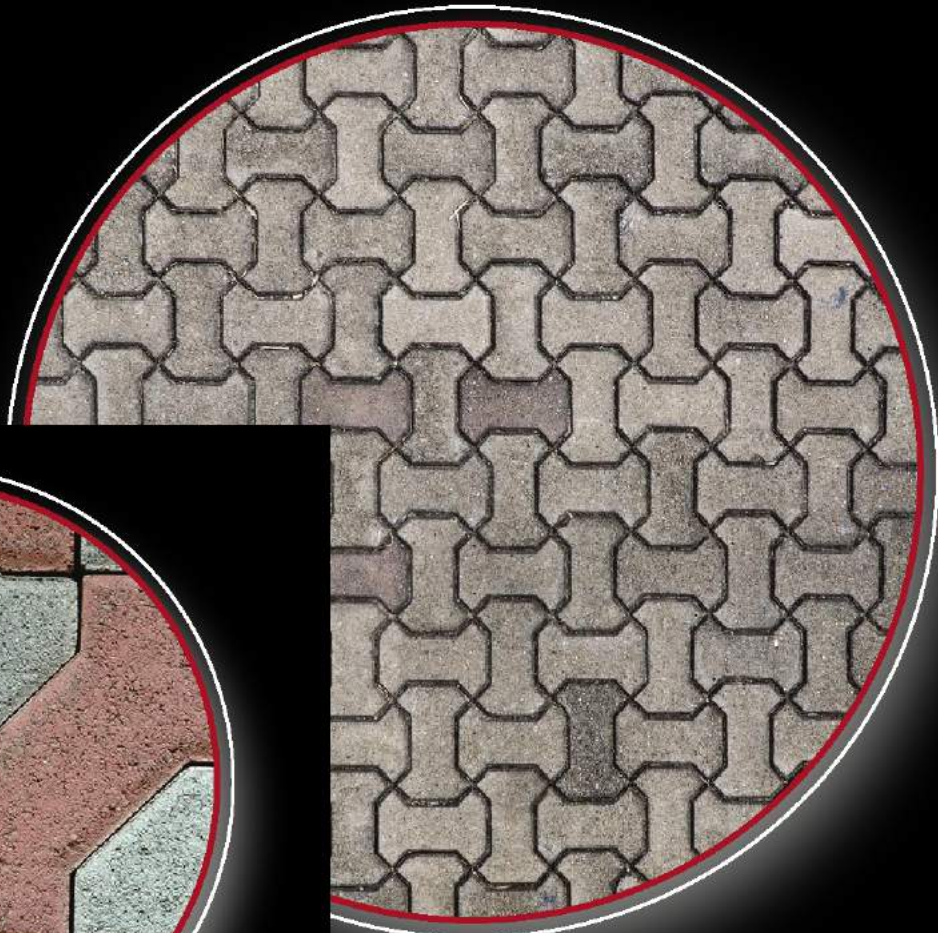


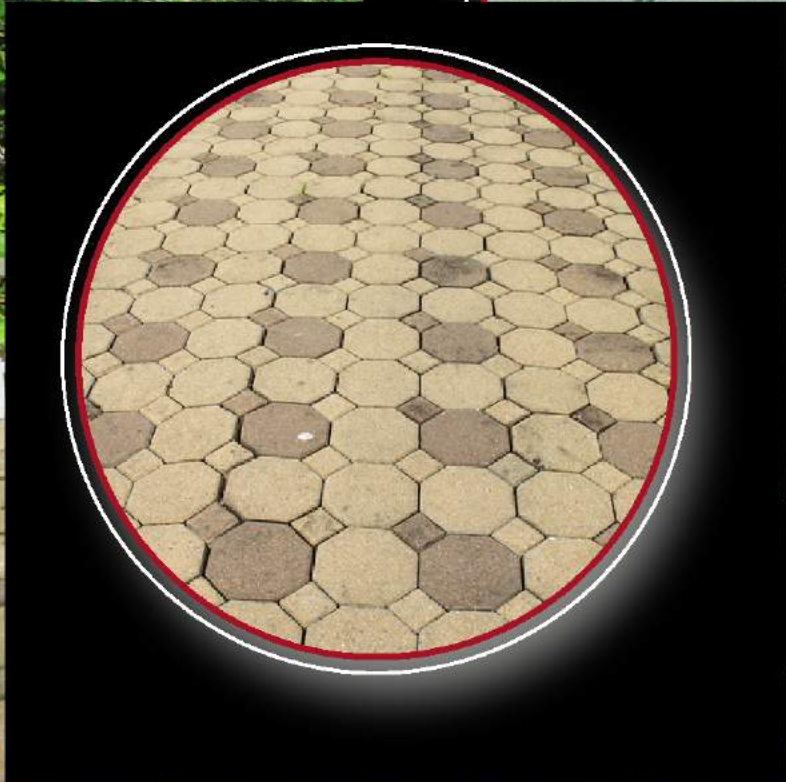
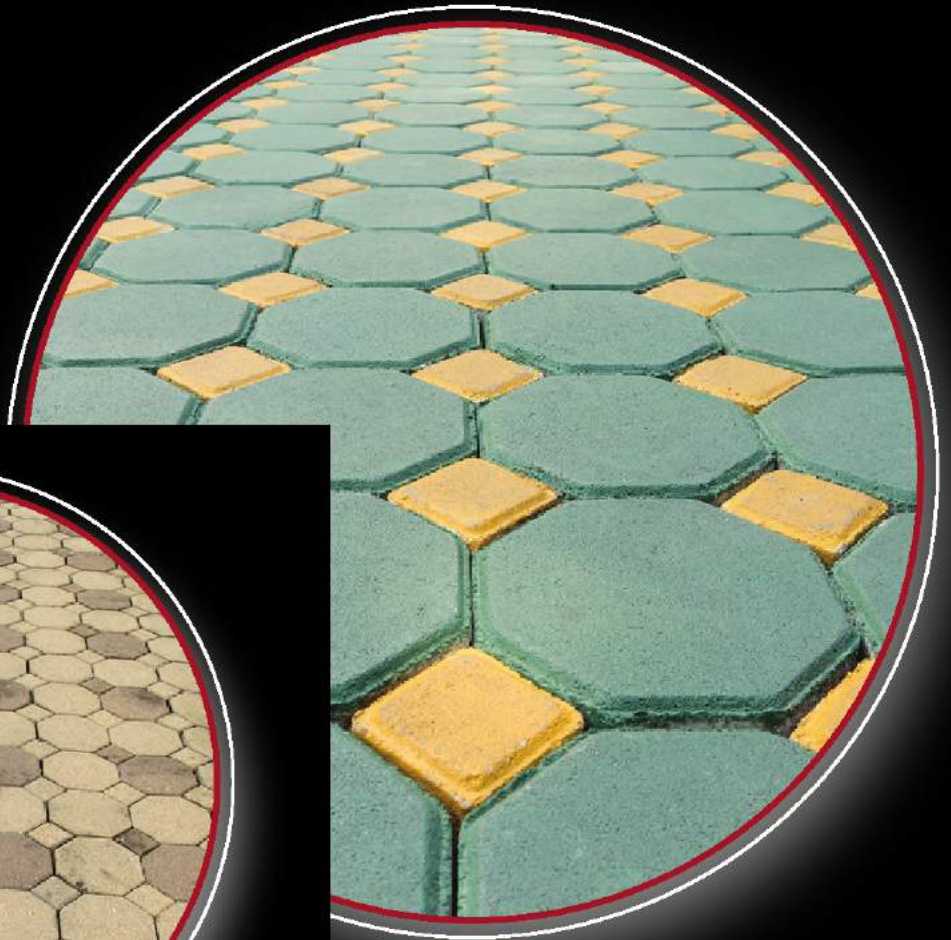
CUBE



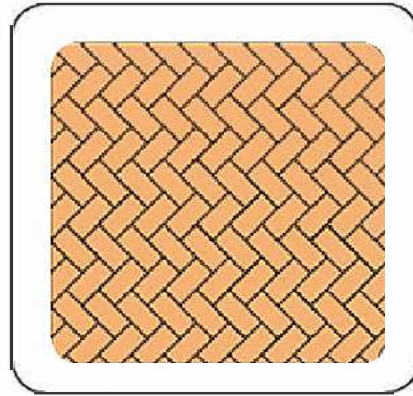
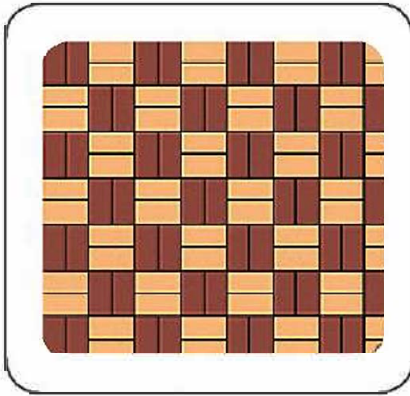
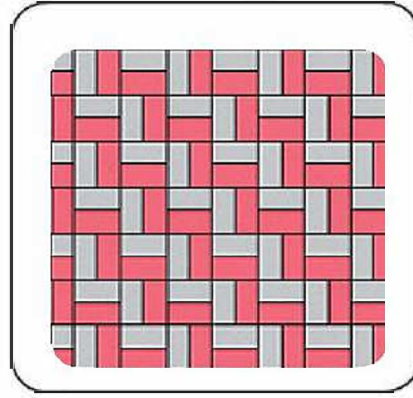
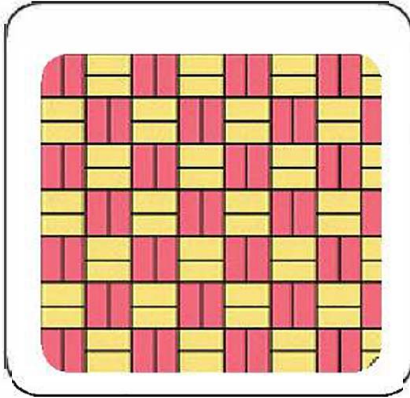
Colours available



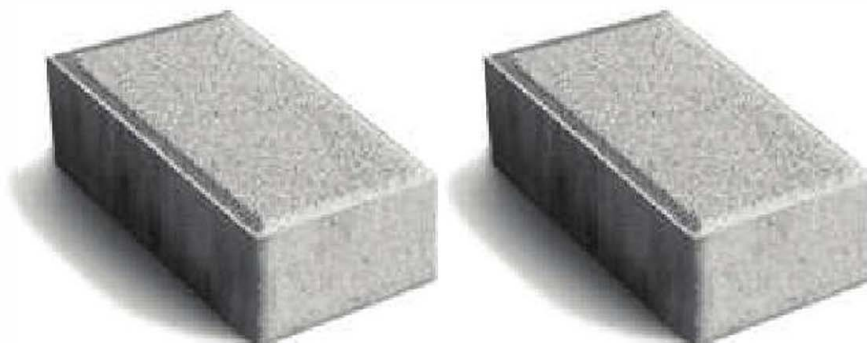




INTER LOCKING PAVING RECTANGULAR

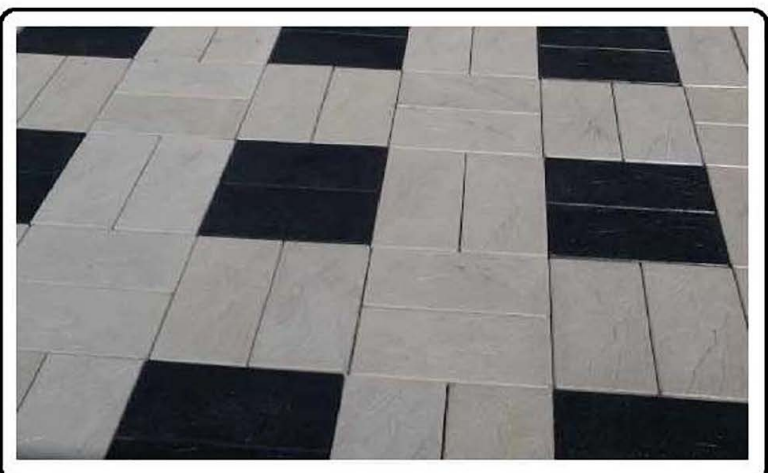
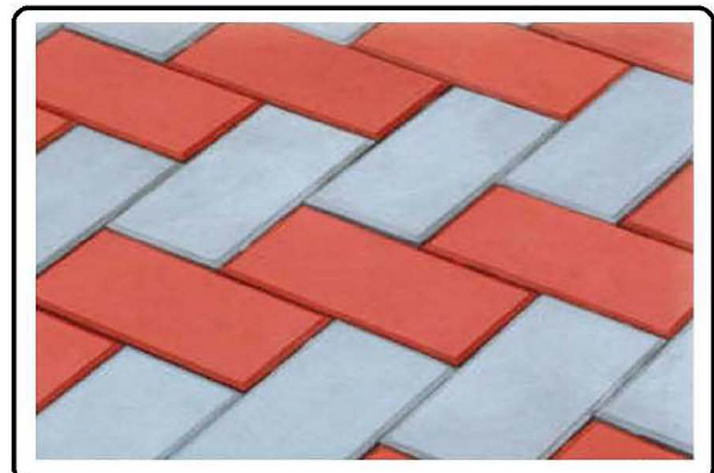
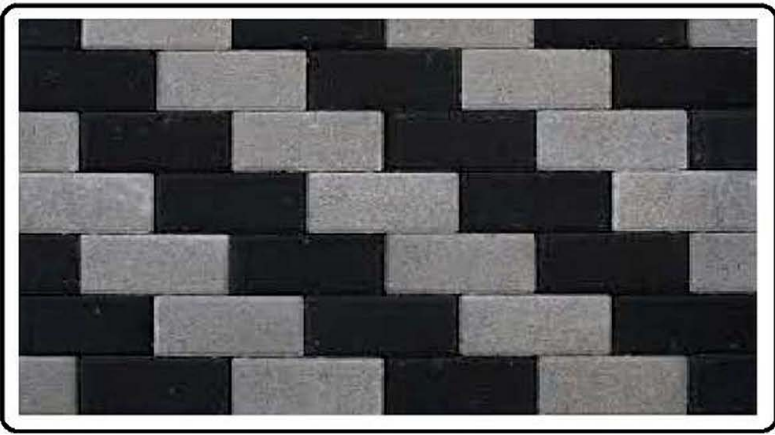
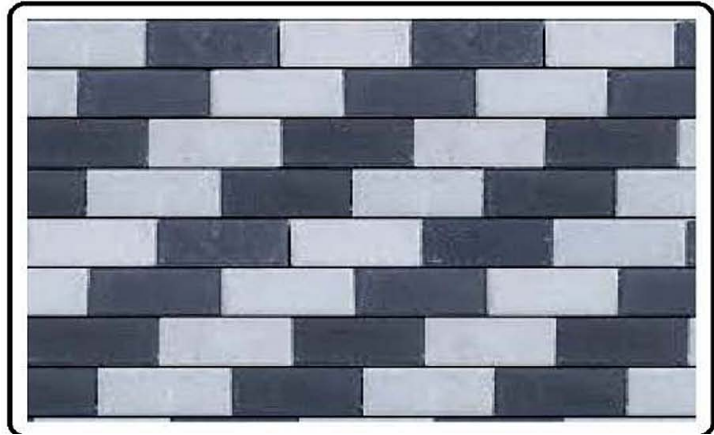
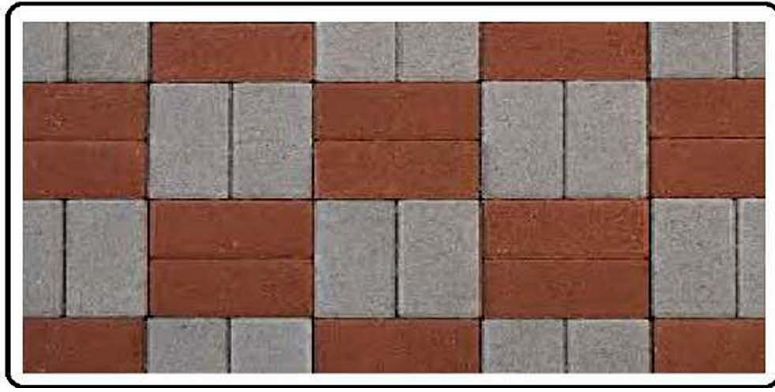
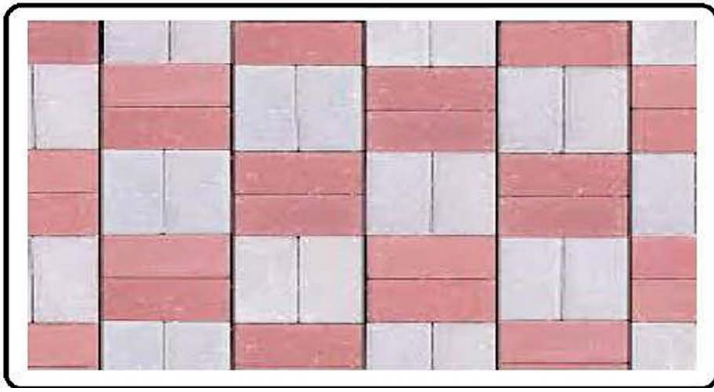


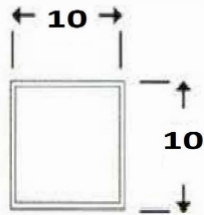
■ Colours available



Technical details

Size	10x20	10x20
Thickness of Stone (cm)	8	6
Area per Stone(cm ²)	200	200
Stones/m ²	50	50
Weight Kg/m ²	188	141
m ² /Layer	1.32	1.32
m ² /Bundle (8 layer)	10.56	13.2
m ² /Trailer (24 Bundles)	253.44	316.8

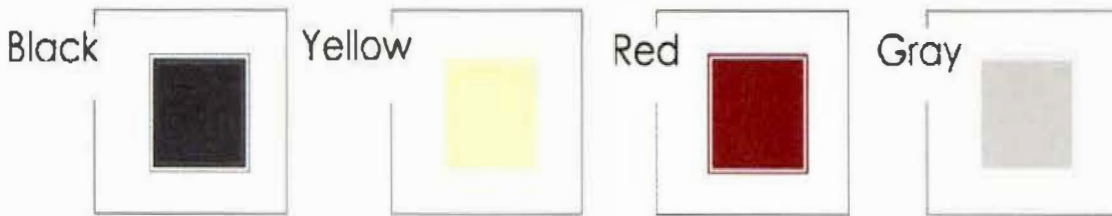




SQUARE 10x10



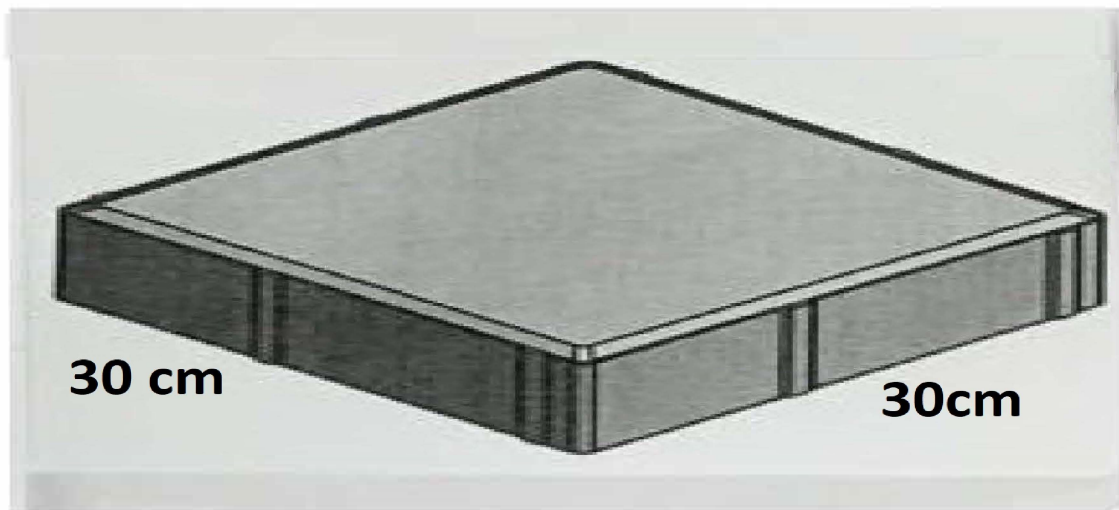
Colours available




Technical details

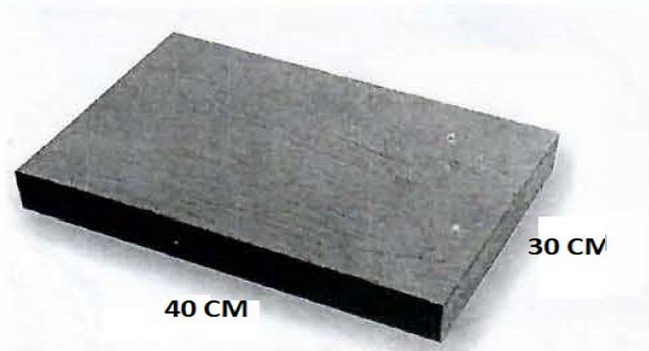
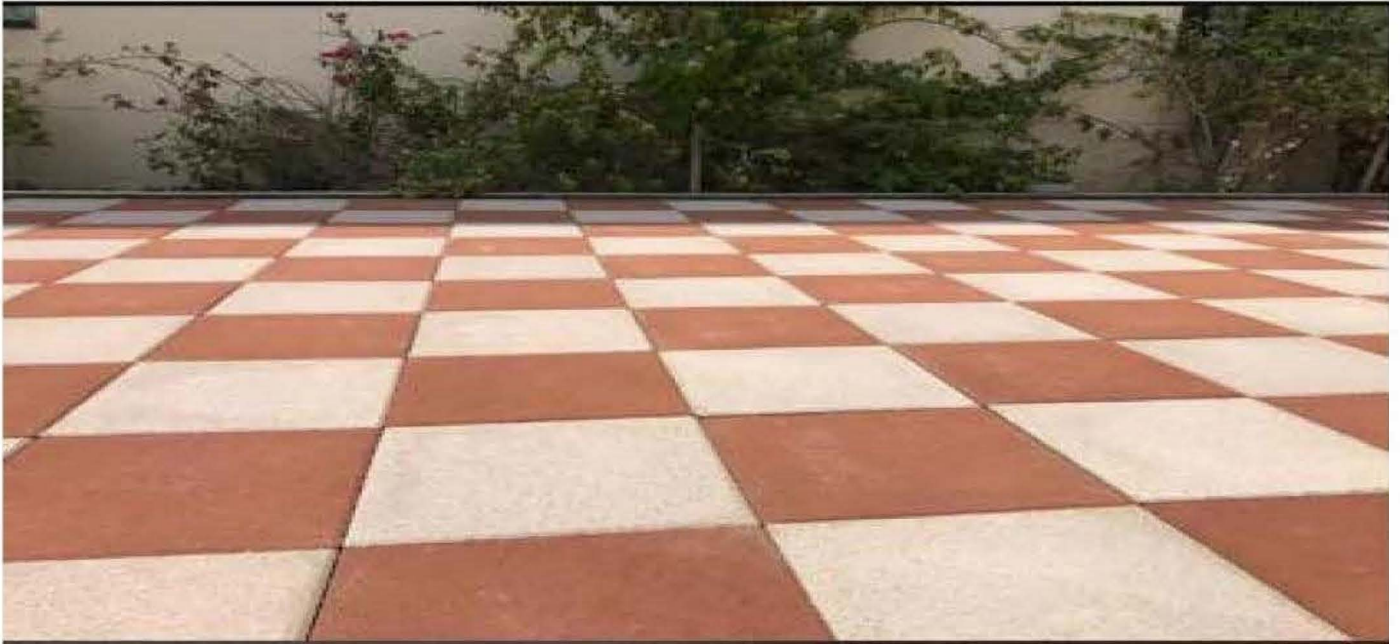
Marbella Stones	cube 10x10
Thickness of Stone (cm)	6
Area per Stone(cm ²)	100
Stones/m ²	100
Weight Kg/m ²	141
m ² /Layer	1.1
m ² /Bundle (10 layer)	11
m ² /Trailer (24 Bundles)	264

square 30x30



Technical details

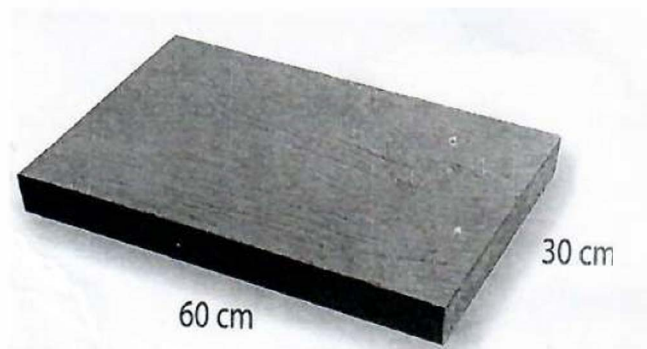
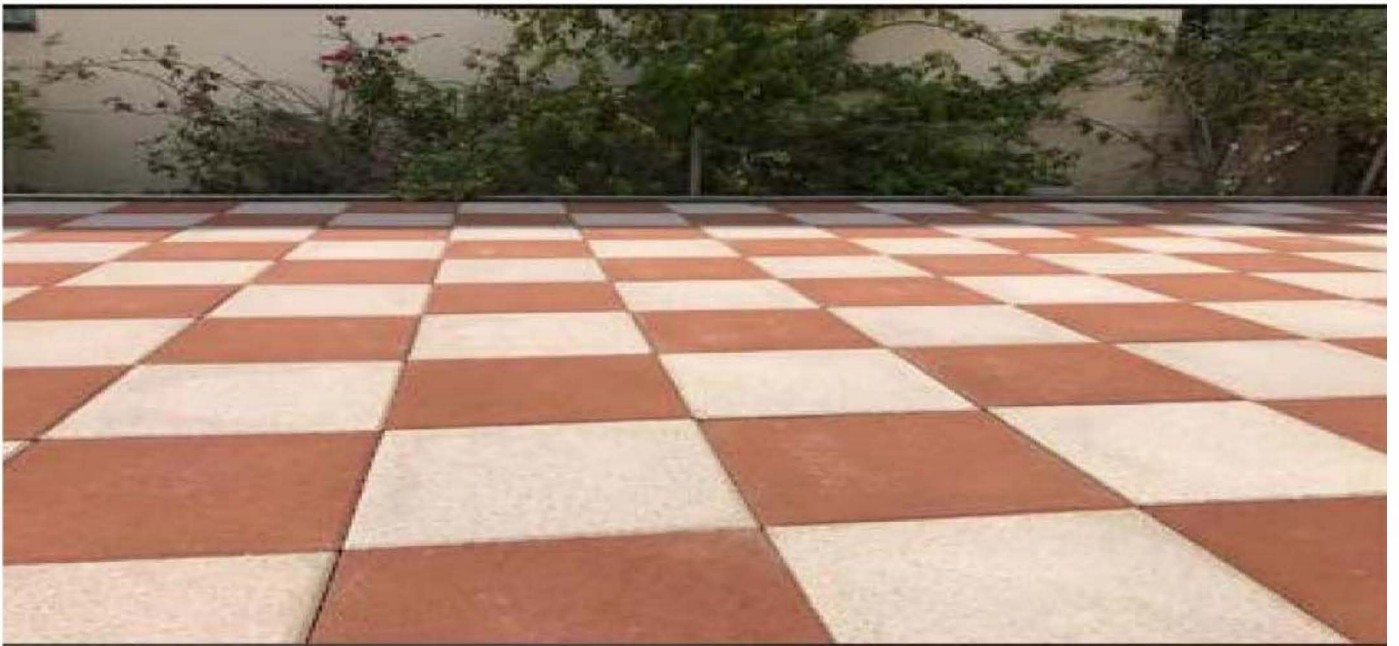
Marbella Stones	square 30x30	
Thickness of Stone (cm)	6	
Area per Stone(cm ²)	900	
Stones/m ²	11.11	
Weight Kg/m ²	141	
m ² /Layer	1.44	
m ² /Bundle (10 layer)	14.4	
m ² /Trailer (24 Bundles)	345.6	



Technical details

Size	30x40
Thickness of Stone [cm]	6
Area per Stone(cm ²)	1200
Stones/m ²	8.333
Weight Kg/m ²	141
m ² /Layer	1.44
m ² /Bundle (8 layer)	14.4
m ² /Trailer (24 Bundles)	345.6

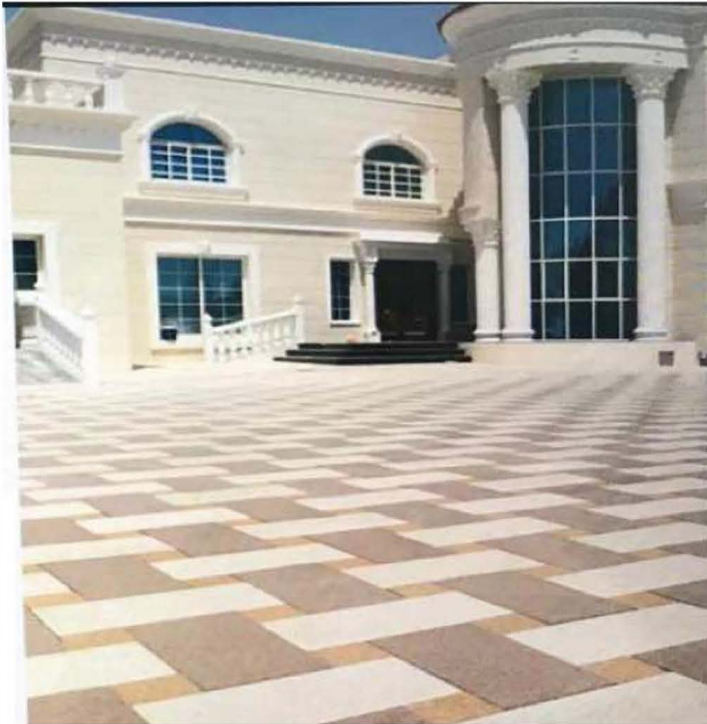
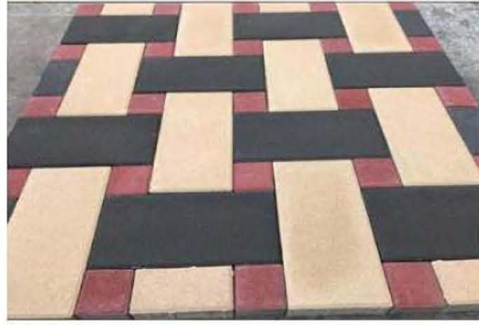
Magnum 30x60



Technical details

Size	30x60
Thickness of Stone [cm]	6
Area per Stone(cm ²)	1800
Stones/m ²	5.555
Weight Kg/m ²	141
m ² /Layer	1.08
m ² /Bundle (8 layer)	10.8
m ² /Trailer (24 Bundles)	259.2

Magnum 16x32



Technical details

Size	16x32
Thickness of Stone [cm]	6
Area per Stone(cm ²)	512
Stones/m ²	19.531
Weight Kg/m ²	141
m ² /Layer	1.433
m ² /Bundle (8 layer)	14.33
m ² /Trailer (24 Bundles)	343.92

BRITISH STANDARD

المعيار البريطاني

MASONRY UNITS

وحدات البناء

1-Scope:

1-النطاق

This British standard gives guidance for specifying precast masonry units conforming to BS EN 771-3 and BS EN 771-4

يوفر المعيار البريطاني دليلاً حول تحديد وحدات البناء الجاهزة لمطابقة BS EN 771-3 و BS EN 771-4

2-Terms and definitions:

2-شروط وتعريفات:

For the purpose of this part of BS 6073, the following terms and definitions apply.

لتحقيق غرض هذا الجزء من BS 6073 تطبق الشروط والتعريفات التالية

MASONRY UNIT:

وحدة بناء

Pre-formed concept intended for use in masonry construction.

فكرة معدة مسبقاً بغرض الاستخدام في وحدة البناء

- Common masonry unit:

- وحدة بناء عادية:

Masonry unit normally intended for use with no faces left visible

يكون الغرض من وحدة البناء للاستخدام لحالات بدون واجهات ظاهرة.

Aggregate concrete masonry unit:

وحدة خرسانة البناء المتكاملة:

Masonry unit manufactured from cementations binder, aggregates and water which contain admixture and additions and coloring pigments and other materials incorporated or applied during the subsequent to unit manufacture.

وحدة البناء المصنوعة من غلاف (رباط) سمنتي وركام و ماء والتي تحتوي على مخلوط وإضافات وأصباغ تلوين وغيرها من المواد المكونة أو المستخدمة أثناء صناعة الوحدة التي تلي.

- Coursing unit:

- وحدة المسار:

Masonry unit, commonly of brick size, used to assist in achieving the strong height of wall in conjunction with full height blocks.

تستخدم وحدة بناء، وهي عادة بحجم طوبية (بنية) للمساعدة في تحقيق ارتفاع قوي للجدار فيما يخص قوالب مكتملة الارتفاع.

- Block:

- قالب:

Masonry unit which when used in its normal aspect exceeds the length or width or height specified for a coursing unit.

هو عبارة عن وحدة بناء والتي تتجاوز عند استخدامها في وضعها العادي طول أو عرض أو ارتفاع وحدة المجري.

- Work size:

Size of masonry unit specified for its manufacture, to which the actual size

- حجم العمل:

عبارة عن حجم وحدة البناء المحدد للتصنيع بحيث يكون الحجم الفعلي متنسفاً مع الانحرافات المجازة.

3-خصائص أساسية



conforms within permissible deviations.

3. Basic characteristics

General:

It is important to specify that the masonry units conform to BS EN 771-3/BS EN 771-4, as appropriate, and for further specify

- The type of the unit
- The work size dimensions
- The tolerance category
- The configuration
- The means compressive strength
- The dry density

3-1 TYPE OF UNIT

Masonry unit, aggregate concrete masonry unit.

3.2 WORK SIZE DIMENSIONS

The work size of the masonry units should be specified in terms of length, width (thickness and height e.g.

390 mm X 190 mm

Work sizes of aggregate concrete blocks (BS EN 771-3)

length mm	Width mm	Height mm
	75 90 100 140 190 210	
390	--X X X X X--	190
440	x x x x x x	215

3-3 TOLERANCE CATEGORY:

BS EN 771-3 permits for tolerance categories to be declared by the manufacturer for regular shaped unit. Non-regular shaped units and necessary units. The majority of units manufactured conforming to BS EN 771-3 are supplied to tolerance. Categories D1

Limit deviations in millimeters for aggregate concrete units (BS EN 77-1)

Note: BS EN 77-3 Permits closer tolerance to best regards declared for one or more dimensions.

3-4 CONFIGURATION

BS EN 1996-1-1 categorizes units according to their void percentage and shell dimensions and permits the manufacturer to either:

عام:

من المهم تحديد وحدات البناء للمطابقة مع BS EN 771-3/BS EN 771-4 حسب المتبع وكذلك

تحديد

- نوع الوحدة
- أبعاد حجم العمل
- فئة التحمل
- التهيئة
- متوسط قوة الكبس
- الكثافة الجافة

٣-١ نوع الوحدة

وحدة بناء، وحدة خرسانة تراكمية

٣-٢ أبعاد حجم العمل

يجب تحديد حجم عمل وحدات البناء من حيث الطول،

العرض (السماكة والارتفاع، أي

390 mm x 190 mm

أحجام عمل قوالب خرسانة تراكمية:

BS EN 771-3

طول م م	عرض م م	الارتفاع م م
	75 90 100 140 190 210	
390	--X X X X X--	190
440	x x x x x x	215

٣-٣ فئة التحمل

يسمح BS EN 771-3 بالإعلان عن فئات التحمل بواسطة المصنع فيما يتعلق بالوحدة نظامية الشكل كذلك الوحدات غير نظامية الشكل والوحدات الضرورية. يتم توريد معظم الوحدات المصنعة طبقاً إلى BS EN 771-3 للتحمل.

الفئات D1

انحرافات بالمليمترات لوحدات خرسانة تراكمية (BS EN 77-1)

ملاحظة: يسمح BS EN 77-3 بتحمل أكبر لبعده واحد أو كثر.

٣-٤ التهيئة

يساعد BS EN 1996-1-1 على تصنيف الوحدات طبقاً للنسبة المثوية للتجويفات وأبعاد الطبقة الخارجية (القشرة) كما يسمح للمصنع إما:

(أ) تزويد المشتري بمعلومات تفصيلية حول نسب التجويفات المثوية وعددها وحجم أكبر تجويف بما يساعد المشتري من عمل مجموعات BS EN 1996-1-1 مناسبة، أو

Dimensions	Tolerance Category	
		+3 -5
Length	+3 -5	- -
Width	+3 -5	- -
Height	+3 -5	- -

a) provide the purchaser with detailed information on void percentages, number of voids and volume of largest void, thickness and shell and webs etc., to enable the purchaser to establish the appropriate grouping to BS EN 1996-1-1; or

b) declare the unit grouping
Grouping of units- volume of limits

Unit grouping	Limits for voids (by volume)
Group 1	>25% formed voids
Group 2	>25% > 60% formed vertical voids
Group 3	>25% > 70% formed vertical voids
Group 4	<25% > 50% formed horizontal voids

3.5 COMPRESSIVE STRENGTH

The compressive strength of masonry units should generally be specified in accordance with the table below, these

values correlate with the clues given in BS 5628-1 : 2005. Table 2. And BS5628-2:2005, table 3, and with those given in BS 8103-2 and UK building regulations relating to structure.

Commonly available units strengths of aggregate concrete and Aicrete units (BS EN 771-3 and BS EN 771-4)

فئة تحمل		أبعاد
-	+3 -5	
-	+3 -5	طول
-	+3 -5	عرض
-	+3 -5	ارتفاع

ب) التصريح بمجموعات الوحدة تصنيف الوحدات - حجم الحدود تصنيف مجموعات حدود التجويفات (حسب الحجم)

تصنيف مجموعات	حدود التجويفات (حسب الحجم)
مجموعة ١	تكوين تجويفات >25%
مجموعة ٢	تكوين تجويفات رأسية >25% > 60%
مجموعة ٣	تكوين تجويفات رأسية >25% > 70%
مجموعة ٤	تكوين تجويفات أفقية >25% > 50%

٣-٥ قوة الكبس

يجب بصفة عامة تحديد قوة كبس وحدات البناء طبقاً للجدول أدناه حيث أن تلك القيم تتماشى مع قيم 2005 : BS 5628-1، جدول 2 و 2005: BS5628-2، جدول 3 وكذلك مع قيم BS 8103-2 ولوائح بناء المملكة المتحدة الخاصة بالإنشاءات.

قوى وحدات خرسانة تراكمية ووحدات Aicrete متاحة بصورة عادية (EN 771-3 and BS EN 771-4)



Compressive strengths N/mm

2.9
3.9
7.3
8.7
10.4
11.5
22.5
30.0
40.0

3.6 DRY DENSITY

The gross dry density of the units should be specified in kg/m³. The permitted tolerance for aggregate concrete units is + 10%

Aggregate concrete units are generally in the gross density range of 650 kg/m³-2 400kg/m³

4. Additional characteristics

4.1 THERMAL PROPERTIES

Where the masonry units are intended to be used in application where thermal properties are relevant, either the thermal conductivity of the concrete should be specified in W/MK or the thermal resistance of the units in m² K/W

4.2 DURABILITY

Where the units are intended to be used in application exposed to frost, the durability of the units should be specified in accordance with BS 5628-3: 2005, Table 12.

COLOR VARIATION :

Due to the phenomenon of different curing, slight color and shade variation do occur on individual colored concrete products. Site Conditions, seasonal manufacture, or naturally occurring variations in the aggregates used, can also cause variations.

This is generally considered to enhance the natural stone effect and the colors will invariably wither in time.

قوة كبس N/mm

2.9
3.9
7.3
8.7
10.4
11.5
22.5
30.0
40.0

٢-٦ كثافة جافة

يجب تحديد إجمالي الكثافة الجافة للوحدات بالكيلو جرام المكعب (kg/m³). التحمل المسموح به للخرسانة التراكمية هو + 10%

تقع وحدات الخرسانة التراكمية من حيث الكثافة الجافة بصفة عامة ضمن مدى: 650 kg/m³-2 400kg/m³

٤- خصائص إضافية

٤-١ خصائص حرارية

في حال كان الغرض هو استخدام وحدات بناء في أوضاع حرارية ذات أهمية، ينبغي إما تحديد توصيلية الخرسانة الحرارية بـ W/MK أو مقاومة الوحدات الحرارية بـ m² K/M

٤-٢ تحمليه

في حال كانت الوحدات مستهدفة لاستخدامات تعرض للصقيع (جليد)، ينبغي هنا تحديد التحمليه طبقاً إلى BS 5628-3: 2005، جدول 12.

تغيرات اللون:

بسبب ظاهرة إختلاف المعالجة. تحدث إختلافات طفيفة في درجة اللون والظلال في منتجات أسمنتية ملونة ملفردة . كذلك فإن ظروف الموقع والتصليغ الموسمي أو حتى الأختلافات الطبيعية في الخلطات المستخدمة يمكن أن تسبب الأختلافات في اللون.

وبصفة عامة فإن ذلك يعد عنصراً معززاً للأثر البصري للحجر الطبيعي كما أن تلك الأختلافات ستزول بمرور الوقت

**CUSTOMER
REQUIREMENTS**

**RESOURCE
MANAGEMENT**

**PRODUCT
REALIZATION**

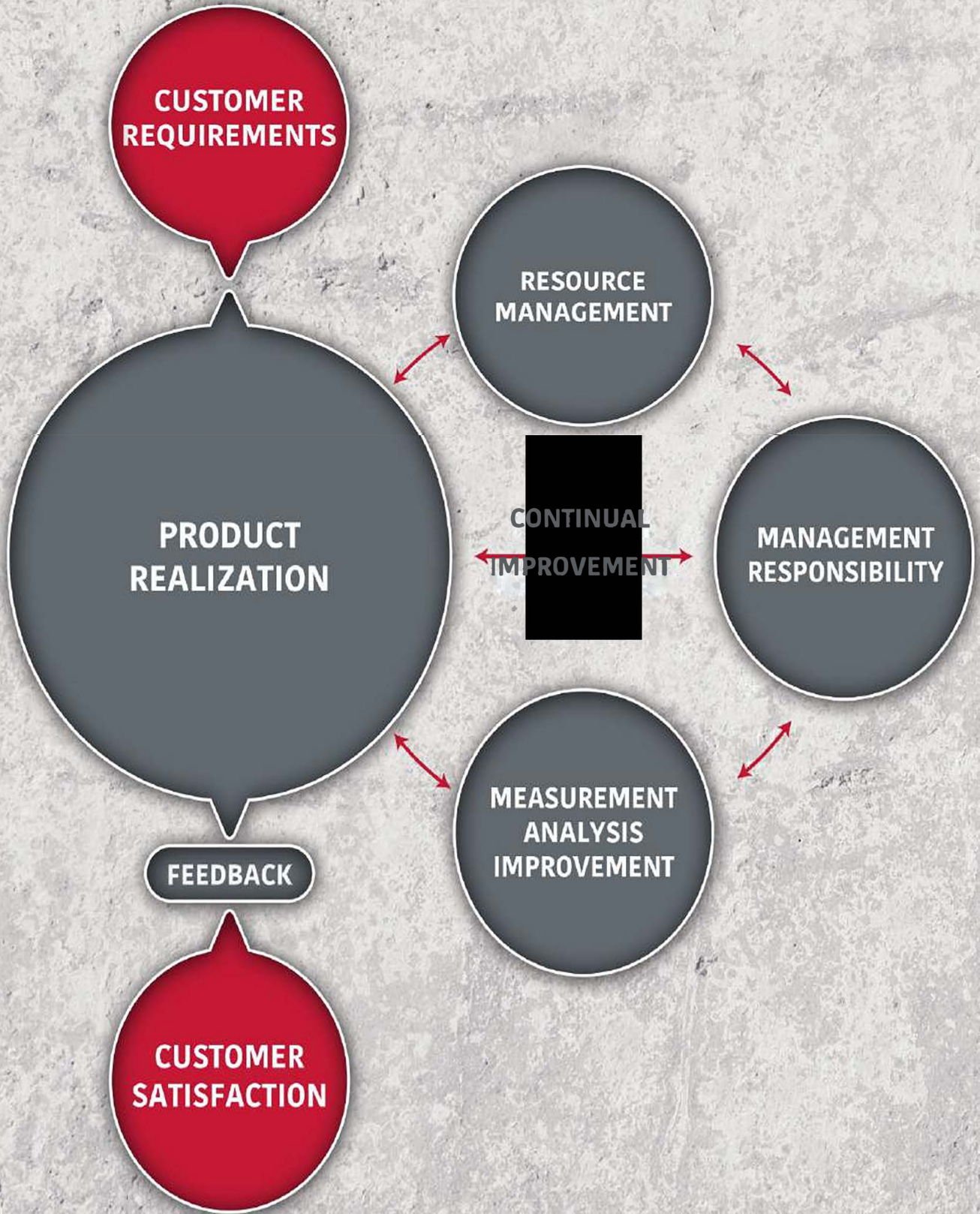
**CONTINUAL
IMPROVEMENT**

**MANAGEMENT
RESPONSIBILITY**

FEEDBACK

**MEASUREMENT
ANALYSIS
IMPROVEMENT**

**CUSTOMER
SATISFACTION**



QUALITY CONTROL DEPARTMENT

Alas Emirates block's aims high with regards to the quality and delivery of its products. Thus, ALAS has well equipped main laboratories in Al Ain and site laboratories at each of our group batching plants. Without any compromise we assure the quality, the prescribed figures of strength and the required specifications of our clients.

We believe that today's fast-paced construction requires efficiency and labor saving measures. We strive to meet our customer's needs at the required pace, our extensive experience eased the mission through applying these effective steps, as stated below:

- Mix design development and testing above standards.
- Cooperating with accredited laboratories.
- Applying on-site concrete & Block testing.
- Providing technical support before and after block placement.
- Monitoring of Block placement and quality.
- Performing trial mixes for all types of Block's before it's production.
- Evaluating and recommending solutions to block's problems.

QUALITY ASSURANCE PLAN

The sampling and testing of concrete and concrete materials is a critical aspect regarding our quality assurance and quality control concerns. We have set a

series of control procedures in order to assure the quality of what we produce. Therefore, all materials used in the industry are subjected to pre-testing to confirm the compliance of all standards and administrative orders issued by the client or local authorities. Also, all the relevant materials are thoroughly inspected, tested and systematically stored; the supply trail is being constantly monitored to ensure quality and consistency.

Offering numerous performance mixes sets ALAS as the market leader in providing a wide range of high performance block concrete, as well as Pavement Quality Concrete. Whether you need block's for a patio or a skyscraper, we will be there for you. Our high-performance concrete block's is designed to improve strength and durability, ease placement and finishing, We simply provide what is best for our clients.



Our dedication to our products and services in terms of Quality, Environment, Health and Safety is our baseline in conducting business and raising it to the highest ethical standards. We are proudly committed to be amongst the global advocates of "GREEN CONCRETE" not by mottoes; but by fundamental actions through minimizing waste and conserving natural resources in compliance with government agencies and other related parties.

At Alas quality is not fortuitous, our honest aspiration to meet our customers' needs spurs us to produce and deliver what complies with the global quality standards; therefore all of our Ready Mix and block Products with no exception are ISO 9001 (Quality Standard) certified; in addition to our Environmental Management System which is certified by ISO 14001 and OHSAS 18001 (Health and Safety).

QUALITY MANAGEMENT SYSTEM

ALAS Emirates block's puts its clients at the top of its priorities, that is precisely why we strive to provide products and services that even exceed our clients' expectations since this are provided with remarkable quality, efficiency and timeliness.

At ALAS, Technical personnel are trained to attain international quality standards. They are able to conduct all dealings with high professionalism, proficiency and fairness.

ENVIRONMENT

Our respect towards Mother Earth drives ALAS forward. This core purpose

is implemented through recycling, source reduction and promoting Green Concrete. We take safe and responsible environmental methods to handle and dispose off waste in addition to our deep focus on energy efficiency. Moreover, all of our employees are trained to maintain our ISO 14001 certified standards.

HEALTH AND SAFETY

We at ALAS consider health, safety, hygiene and security to be the fundamental pillars to all of our processes.

ALAS is committed to eliminating occupational injuries, accidents and illnesses and also is aiming towards the highest level of awareness which is basically performed through fostering continuous improvement by implementing effective management systems. ALAS is keenly determined to make sure that no exploitation of workers happens within their operations, and ensures compliance with all current legislation. With respect to their tasks, all employees are required to conduct activities based on the prevention of risks and the protection of their health and safety.

We maintain a zero accident workplace, and we encourage our potential business partners and suppliers to maintain our high level of Health and Safety awareness in mind.



Certificate

Awarded to:

ALAS EMIRATES BLOCKS LLC.

PO Box. 17656, Plot No.4, Al Ain New Industrial Area, Al Ain,
United Arab Emirates

The Quality Management System has been assessed successfully and found to comply with the requirements of the international standard.

ISO 9001:2015

Scope of Certification

MANUFACTURERS OF CONCRETE BLOCKS AND INTERLOCKS TILES.

Certificate No:	4585862439	Original Certification Date:	16/07/2020
Certification Date:	21/06/2023	IAF & NACE:	16 & 2361
Expiry Date:	20/06/2026	1st Surveillance due before:	20/06/2024
Recertification Date:	20/03/2026	2nd Surveillance due before:	20/06/2025



elaci
مركز الإمارات العالمي للاعتماد
Emirates International Accreditation Centre
CB-QMS-084



EUROPEAN QUALITY CERTIFICATION SERVICES

Certificate

Awarded to:

ALAS EMIRATES BLOCKS LLC.

PO Box. 17656, Plot No.4, Al Ain New Industrial Area, Al Ain,
United Arab Emirates

The Occupational Health & Safety Management has been assessed successfully and found to comply with the requirements of the international standard.

ISO 45001:2018

Scope of Certification

MANUFACTURERS OF CONCRETE BLOCKS AND INTERLOCKS TILES.

Certificate No: 4060996121

Original Certification Date: 16/07/2020

Certification Date: 21/06/2023

IAF & NACE: 16 & 2361

Expiry Date: 20/06/2026

1st Surveillance due before: 20/06/2024

Recertification Date: 20/03/2026

2nd Surveillance due before: 20/06/2025



EUROPEAN QUALITY CERTIFICATION SERVICES

EUROPEAN QUALITY CERTIFICATION SERVICES

P.O Box 129254, Tel : +971 26450072

info@qcsiso.com, www.qcsiso.com

Abu Dhabi, United Arab Emirates

To check this certificate validity please visit www.qcsiso.com

Certificate

Awarded to:

ALAS EMIRATES BLOCKS LLC.

PO Box. 17656, Plot No.4, Al Ain New Industrial Area, Al Ain,
United Arab Emirates

The Environment Management System has been assessed successfully and found to comply with
the requirements of the international standard.

ISO 14001:2015

Scope of Certification

MANUFACTURERS OF CONCRETE BLOCKS AND INTERLOCKS TILES.

Certificate No:	1259836003	Original Certification Date:	16/07/2020
Certification Date:	21/06/2023	IAF & NACE:	16 & 2361
Expiry Date:	20/06/2026	1st Surveillance due before:	20/06/2024
Recertification Date:	20/03/2026	2nd Surveillance due before:	20/06/2025



eiāci
مركز الإمارات العالمي للاعتماد
Emirates International Accreditation Centre
CB-EMS-084



EUROPEAN QUALITY CERTIFICATION SERVICES

	<h1>OSH POLICIES Manual</h1>	AEB-PL.OSH 01	
		Version	01
	<h2>OSH POLICY</h2>		Page 1 of 1 Effective Date: 31-12-2019

HEALTH, SAFETY AND ENVIRONMENT POLICY

The Management of Alas Emirates Block (AEB) is committed to provide superior quality products and services in the production and supply of cement blocks and interlocks with the use of best practices of Occupational Safety and Health.

AEB strives to achieve high standards on Occupational Safety and Health. AEB committed to ensure prevention of injury, ill health and will give proper regard to the protection and conservation of the environment, including prevention of pollution and other specific commitments relevant to the context of the organization and continual improvement of the OSHMS to enhance its performance and commitment to identify and manage OSH hazards & risks.

We continue to operate in compliance with all relevant and applicable legal requirements and other requirements to which our organization subscribes, which relates to our environmental aspects and OSH hazards. This includes the nature, scale and environmental impact of our activities, products or services. The AEB management is also committed to provide a safe working environment, safe system of work and to enhance the welfare and wellbeing of its employees.

We promote HSE awareness among our employees, train and encourage them to work in a safe manner. Management provides necessary OSH resources, instructions and trainings in the identification, assessment and control of hazards in the workplace.

This policy shall be maintained as documented information, implemented and communicated internally to employees, via ERP online application, Web and posted at strategic places. This Policy is further communicated to relevant interested parties, vendors, sub-contractors, stakeholders, customers and the public as appropriate.

This Policy provides framework to set, monitor and to review OSH targets and objectives periodically to ensure that it remains relevant and appropriate.

We acknowledge the right of each employee and other personnel operating under AEB management to challenge an activity or a condition, which they believe may have a detrimental effect on the environment or the integrity of plant, equipment, personnel and machinery. We will commend employees who justifiably exercise this right. We will consult with employees and ensure provision of such resources, training and support as are deemed necessary to achieve the goals set out.

It is our endeavor to create a culture of OSHMS where continuous improvement of our employees, processes and procedures becomes a way of life.

Eng. Akram Abdel Kawy
Executive Manager

ألس الإمارات للطابوق ذ.م.م

Quality Policy Statement

بيان سياسة الجودة

It is the policy of **ALAS EMIRATES BLOCKS LLC** to provide a range of products & services, which meet the requirements of its customers and quality standard parameters, and those programs, are maintained on schedule at the agreed price. All work is carried out in a cost effective and timely manner, and in accordance with the highest professional standards, and compliance with all relevant regulatory and statutory requirements, aiming for continual improvement and customer satisfaction through the involvement and participation of all levels of management, staff and other interested parties.

A policy for quality conforming to the requirements of ISO 9001:2015 has been established to ensure that it:

- ALAS EMIRATES BLOCKS LLC is considering quality as understanding and exceeding customer expectations.
- Includes a commitment to meeting requirements and to continual improvement.
- Quality needs to be integrated into products and processes at an early stage.
- Demonstrates top management commitment and ensures the quality objectives are communicated, understood and implemented at appropriate levels of the organization.
- Is regularly reviewed at the management review meeting for suitability and effectiveness addressing continual improvement and client satisfaction.

Management is ultimately responsible for making balanced judgments, assessing the significance of variations in this sphere and taking decisions. In arriving at such decisions, the quality and personal integrity of staff are of fundamental importance. In this context, all effort is made to ensure that each person in the organization understands that quality assurance is important to their future, know how they can assist in the achievement of adequate quality and are stimulated and encouraged to do so.

This policy is approved by the undersigned and is supported by all the levels of management within the organization. All personnel shall be guided by the contents of the quality management system and no deviation from the methods and procedures set down shall be permitted.

Executive Manager

تتمثل سياسة شركة ألس الإمارات للطابوق ذ.م.م في تقديم مجموعة واسعة من المنتجات والخدمات التي تلبى متطلبات عملائها ومعايير الجودة الموحدة ويتم الحفاظ على هذه البرامج في الموعد المحدد وبالسعر المتفق عليه. كما يتم تنفيذ جميع الأعمال بطريقة فعالة من حيث التكلفة وفي الوقت المناسب ووفقاً لأعلى المعايير المهنية وبالتوافق مع جميع المتطلبات التنظيمية والقانونية الملائمة حيث تهدف إلى التحسين المستمر ورضا العملاء من خلال اشتراك ومشاركة جميع مستويات الإدارة والموظفين وغيرهم من الأطراف المعنية. تم وضع سياسة للجودة متطابقة مع متطلبات المعيار ISO 9001:2015 لضمان ما يلي:

- أن تدرس شركة ألس الإمارات للطابوق ذ.م.م الجودة وذلك لتفهم توقعات العملاء وتتجاوزها.
- أن تتضمن التزاماً بتلبية المتطلبات والتحسين المستمر.
- أن يتم دمج الجودة في المنتجات والعمليات في مرحلة مبكرة.
- أن يتم توضيح التزام الإدارة العليا وضمان إبلاغ أهداف الجودة وفهمها وتنفيذها على المستويات الملائمة للمنظمة.
- أن تتم مراجعتها بانتظام في اجتماع المراجعة الإدارية للتأكد من ملائمتها وفعاليتها في معالجة التحسين المستمر ورضا العملاء.

تتحمل الإدارة المسؤولية بشكل جوهري عن اتخاذ أحكام متوازنة وتقييم أهمية التغييرات في هذا المجال واتخاذ القرارات. ولدى التوصل إلى مثل هذه القرارات، تنسجم نوعية الموظفين ونزاهتهم الشخصية بأهمية أساسية. ويتم في هذا السياق بذل كل الجهود الممكنة لضمان أن يفهم كل شخص في المنظمة أن ضمان الجودة أمر مهم لمستقبله وأن يعرف كيف يمكنه أن يساعد في تحقيق جودة ملائمة وأن يتم تحفيزهم وتشجيعهم على القيام بذلك.

تمت الموافقة على هذه السياسة من قبل الموقع أدناه وتم دعمها من قبل جميع مستويات الإدارة داخل المنظمة. ويتم توجيه جميع الموظفين من خلال محتويات نظام إدارة الجودة ولا يسمح بأي انحراف عن الطرق والإجراءات المحددة.

المدير العام



T: +971 3 721 2300
F: +971 3 721 5049
P.OBOX:17656 Al Ain - UAE

info@alablocks.ae
www.alablocks.ae