

AUTOMATIC BLOCK FACTORY & BUILDING MATERIALS



Automatic

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One stop destination for quality concrete products



INTRODUCTION

AUTOMATIC BLOCK FACTORY, was established in 1977 by Al Khayat Group is one of the leading block manufacturers in UAE today. For the past 34 years we achieve a good name in the local market by strictly follow up the standard of quality as per the Dubai Municipality rules and regulations. The quality production and efficient service help us to obtain the approval certificate from Dubai Development Authority for specified projects.

Concrete blocks have become increasingly popular in the Gulf area, mainly because of their inherent strength, economy and resistance to fire, but their excellent insulation qualities make them ideal for hot climates. Modern times create the need for modern designs. That is why a variety of concrete blocks with various textures and shapes are produced to satisfy the needs at costs substantially lower than similar materials.

The plant is managed by competent mechanical and electronic engineers with their vast technical experience that enables innovative the related products. Our expertise is backed up by qualified civil engineer with profuse experience in the concrete dealing with various types of concrete products. The raw materials purchases go through stringent analysis before they get into production process. We have a full-fledged laboratory to test and monitor the quality of incoming raw materials as well as products.

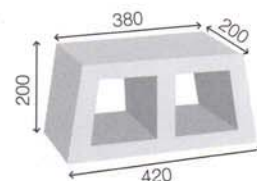
All our products comply with specifications stipulated in Local Order No. 44:1990 of the Dubai Municipality and BS 6073 Part I, BS 6717 Part I of 1993.



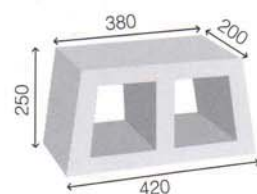
HOURDI BLOCKS

Normal weight

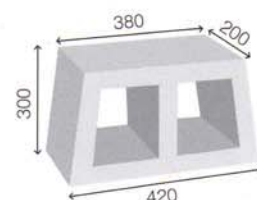
8" Hourdi	420x380x200x200
Blocks per bundle	54
Truck Quantity	756 / 1404



10" Hourdi	420x380x250x200
Blocks per bundle	45
Truck Quantity	540 / 1080



12" Hourdi	420x380x300x200
Blocks per bundle	36
Truck Quantity	432 / 864



TECHNICAL DATA

Hourdi Blocks Normal weight	Block Weight (Kgs)	Block Density (Kg/m ³)	Average Strength (N/mm ²)	Water Absorption (%)	Block per Bundle
Block Size					
Hourdi Block 8" (LxWxH) 420/380x200x200 mm	18	1100	3.5	6.3	54
Hourdi Block 10" (LxWxH) 420/380x200x250 mm	20	960	3.5	7.8	45
Hourdi Block 12" (LxWxH) 420/380x200x300 mm	23	1000	3.5	6	36

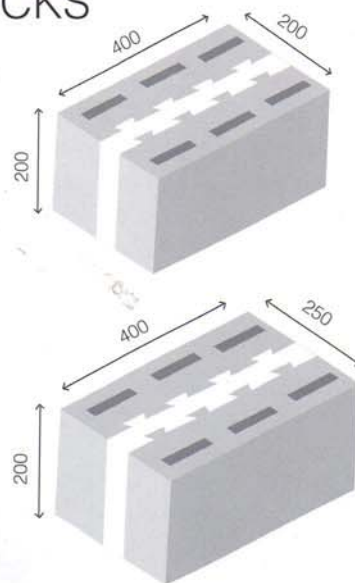


THERMAL INSULATED BLOCKS

Normal weight

8" Thermal	400x200x200
Average Weight (kg)	22
U Value W/(m ² .K)	0.514
Blocks per bundle	36
Truck Quantity	720 / 1440

10" Thermal	400x250x200
Average Weight (kg)	27
U Value W/(m ² .K)	0.496
Blocks per bundle	30
Truck Quantity	600 / 1200



TECHNICAL DATA

THERMAL BLOCKS Normal weight	K Value W/(m.K)	R Value (m ² .K/W)	Block Density (Kg/m ³)	Average Strength (N/mm ²)	Fire Rating Hours
Block Size					
Thermal Block 8" (LxWxH) 400x200x200 mm	0.0723	1.9448	1500	8.5	3
Thermal Block 10" (LxWxH) 400x250x200 mm	0.0723	2.017	1550	8.5	4

POLYSTYRENE INSERT TEST REPORT

Thermal Conductivity	23°C & 50% R.H. 0.037w/(M.K) (Maximum)
Thermal Resistance, M ² K/W	1.028
Water Absorption, %	Low
Average Polystyrene Density	->26Kg/m ³
Polystyrene	Injection Moulded, Fire retardant approved by DCL

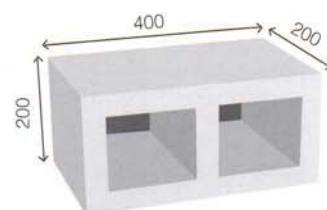
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DIFFERENT TYPES OF CONCRETE BLOCKS

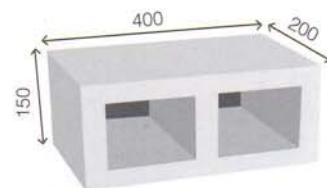
MASONRY HOLLOW BLOCKS

Normal weight

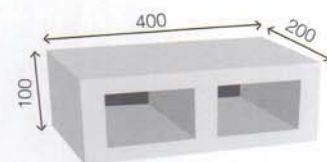
8" Hollow	400x200x200
Blocks per bundle	54
Truck Quantity	756 / 1404



6" Hollow	400x150x200
Blocks per bundle	72
Truck Quantity	1008 / 2016



4" Hollow	400x100x200
Blocks per bundle	108
Truck Quantity	1080 / 2376



TECHNICAL DATA

HOLLOW BLOCKS Normal weight	Block Weight (Kgs)	Block Density (Kg/m ³)	Water Absorption (%)	Average Compressive Strength (N/mm ²)	Fire Rating Hours	
Block Size						
Hollow Block 8" (LxWxH) 400x200x200 mm	24	1455	5.4	7.5	4	
Hollow Block 6" (LxWxH) 400x150x200 mm	18	1545	5.8	7.5	3.5	
Hollow Block 4" (LxWxH) 400x100x200 mm	14	1750	5.6	7.5	3	

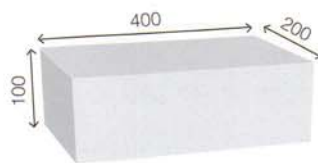
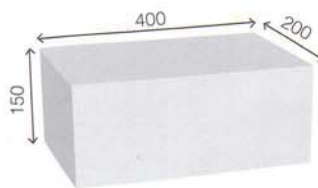
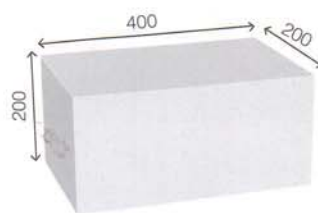
MASONRY SOLID BLOCKS

Normal weight

8" Solid	400x200x200
Blocks per bundle	54
Truck Quantity	540 / 1080

6" Solid	400x150x200
Blocks per bundle	72
Truck Quantity	720 / 1440

4" Solid	400x100x200
Blocks per bundle	90
Truck Quantity	900 / 1800



TECHNICAL DATA

SOLID BLOCKS Normal weight	Block Weight (Kgs)	Block Density (Kg/m3)	Water Absorption (%)	Average Compressive Strength (N/mm2)	Fire Rating Hours	
Block Size						
Solid Block 8" (LxWxH) 400x200x200 mm	35	2145	5.9	12.5	5	
Solid Block 6" (LxWxH) 400x150x200 mm	26	2100	4.6	12.5	4	
Solid Block 4" (LxWxH) 400x100x200 mm	18	2070	5.8	12.5	3.5	



ABF QUALITY PLAN

AUTOMATIC is committed to providing the highest quality of product and service to its clients. The firm is a business organization operating in an aggressive market. The pursuit of the highest quality of service to clients is as essential to the long term growth and survival of the business as are cost control and competitive pricing.

The company strives for continuous improvement throughout its operations to satisfy customers in the most effective way, and to spread the quality awareness among employees. Automatic shall strive consistently and continuously to establish its name in the market place as a top notch "Quality Manufacturer" providing high Quality Products and Services competently and competitively.

A 3cm long quality trade mark is printed at one side of each block.

