المنارتين
AL MANARATAIN

ISO 9001
BUREAU VERITAS
Certification

UKAS
MANAGEMENT
SYSTEMS
008

AL MANARATAIN BLOCKS

SERVING OUR COUNTRY SINCE 1959

Al Manaratain is one of the largest producers of concrete blocks in the Kingdom of Bahrain. We produce variety of blocks in different compressive strength, sizes and finishes in our automated plants, complying with the national and international standards.

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QUALITY CONTROL

In 1984 Al Manaratain has established well equipped quality control departments to ensure the products are according to the specific standards and requirements of customers. All the Physical and chemical tests are carried out in accordance with the international standards. Our dedicated quality control laboratory technicians are continuously checking and monitoring the quality of the raw materials, finished products and the production process. We have separate laboratories at all our factories with dedicated team. This system creates a framework for clearly defining the control of process and verification activities thus providing our clients with confidence that the products are delivered in a well-defined & controlled manner.

ISO CERTIFICATION

The company obtained ISO 9001:2008 certification - the globally recognized quality management system, for Manufacture and supply of concrete blocks, interlock paving, reconstituted stone, ready mix concrete, washed sand, crusher products and Design, manufacture, supply and installation of precast concrete.

In fact, continued client satisfaction and confidence is how we, at Al Mananratain, define and measure our success. This is evident by the number of repeat customers with whom we conduct business.

DOUBLE WASHED SAND AND RAK AGGREGATE

From 1978 the Al Manaratain Sand and Aggregate Washing Plant has been in operation producing materials of the highest quality for both our internal requirements and for supplying customers. In 1984 Double Washed Sand and Aggregate was introduced to greatly improve the quality of our products.

A 75,000 US Gallon Water Purification Plant is on accessory to this operation. We have this facility on both our Tashan and Eker sites, so we have the capability of producing up to 150,000 US Gallons of purified water " Sweet Water " per day for use in all our sand and aggregate washing operations and concrete production.

M.I.B MANARATAIN INSULATION BLOCK

The M.I.B Manaratain Insulation Block is a combination of unique block design and insulating inserts that enables the system to be highly energy efficient to utilize its own thermal mass properties. This unique design creates cells that the Expanded Polystyrene (EPS) inserts are specifically molded to fill.

8" M.I.B.

- **Approved by the ministry of Electricity & Water Authority - Kingdom of Bahrain**

8" M.I.B	
Dimensions	400 × 200 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm² - 12.5 N/mm²
Weight	22.5 Kg
Gross Dry Density	1400 Kg/m³
Thermal Resistance (R-Value)	2.045 (m² ºC / W)
Thermal Transmittance (U-Value)	0.488 (W / m² ºC)
Standards	BS EN 771 - BS EN 772

INSULATED BLOCK

The building must be insulated to prevent excessive heat absorption and thereby reduce the cost of air condition system installed. This ensures occupants of maximum comfort with low noise level and reduces air movement.

Our insulated blocks are manufactured with expanded polystyrene inside. This gives excellent thermal insulation (low U-Value). The U-Value of building component (walls, Roofs, Windows) is a measurement for heat transfer which passes between room and exterior and which must be replaced by cool air produced by air conditioners. There for a low U-Value is key to saving in A/C cost. Our insulation blocks are widely using in government projects as well as private projects.

8" RAK INSULATION SANDWICH BLOCK.

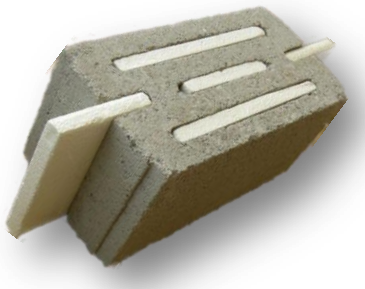
- **Approved by the ministry of Electricity & Water Authority - Kingdom of Bahrain**

8" RAK INSULATION SANDWICH BLOCK	
Dimensions	400 × 200 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	≥ 5 N/mm²
Weight	19 Kg
Gross Dry Density	1200 Kg/m³
Thermal Resistance (R-Value)	1.572 (m² ºC / W)
Thermal Transmittance (U-Value)	0.636 (W / m² ºC)
Standards	BS EN 771 - BS EN 772

12” RAK INSULATION SANDWICH BLOCK.

12” RAK INSULATION SANDWICH BLOCK	
Dimensions	400 × 300 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm²
Weight	31 Kg
Gross Dry Density	1300 Kg/m³
Thermal Resistance (R-Value)	2.041 (m² ºC / W)
Thermal Transmittance (U-Value)	0.490 (W / m² ºC)
Standards	BS EN 771 - BS EN 772

8” RAK SLOTTED INSULATION BLOCK.



8” RAK SLOTTED INSULATION BLOCK	
Dimensions	400 × 200 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm²
Weight	22.8 Kg
Gross Dry Density	1450 Kg/m³
Thermal Resistance (R-Value)	1.279 (m² ºC / W)
Thermal Transmittance (U-Value)	0.781 (W / m² ºC)
Standards	BS EN 771 - BS EN 772

12” RAK SLOTTED INSULATION BLOCK.

12” RAK SLOTTED INSULATION BLOCK	
Dimensions	400 × 300 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm²
Weight	26 Kg
Gross Dry Density	1100 Kg/m³
Thermal Resistance (R-Value)	1.416 (m² ºC / W)
Thermal Transmittance (U-Value)	0.706 (W / m² ºC)
Standards	BS EN 771 - BS EN 772

LIGHTWEIGHT BLOCK

Al Manaratain light weight blocks are made using light weight expanded clay aggregate “LECA” which is produced in rotary kiln at the temperature about 1200 degree centigrade with air enclosed. Light weight blocks are used by all major contractors. They are accepted nationally as an efficient, economical method of construction of walls above ground level.

4” LIGHT WEIGHT BLOCK.

4” LIGHT WEIGHT BLOCK	
Dimensions	400 × 100 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	3.5 N/mm²
Weight	6 Kg
Gross Dry Density	750 Kg/m³
Thermal Resistance (R-Value)	0.498 (m² ºC / W)
Thermal Transmittance (U-Value)	2.005 (W / m² ºC)
Standards	BS EN 771 - BS EN 772

6” LIGHT WEIGHT BLOCK.

6” LIGHT WEIGHT BLOCK	
Dimensions	400 × 150 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	3.5 N/mm²
Weight	8 Kg
Gross Dry Density	700 Kg/m³
Thermal Resistance (R-Value)	0.567 (m² ºC / W)
Thermal Transmittance (U-Value)	1.762 (W / m² ºC)
Standards	BS EN 771 - BS EN 772

8” LIGHT WEIGHT BLOCK.

8” LIGHT WEIGHT BLOCK	
Dimensions	400 × 200 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	3.5 N/mm²
Weight	10.5 Kg
Gross Dry Density	650 Kg/m³
Thermal Resistance (R-Value)	0.652 (m² ºC / W)
Thermal Transmittance (U-Value)	1.532 (W / m² ºC)
Standards	BS EN 771 - BS EN 772

10” LIGHT WEIGHT BLOCK.

10” LIGHT WEIGHT BLOCK	
Dimensions	400 × 250 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	3.5 N/mm²
Weight	13 Kg
Gross Dry Density	650 Kg/m³
Thermal Resistance (R-Value)	0.712 (m² ºC / W)
Thermal Transmittance (U-Value)	1.403 (W / m² ºC)
Standards	BS EN 771 - BS EN 772

12” LIGHT WEIGHT BLOCK.

12” LIGHT WEIGHT BLOCK	
Dimensions	400 × 300 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	3.5 N/mm²
Weight	15 Kg
Gross Dry Density	630 Kg/m³
Thermal Resistance (R-Value)	0.725 (m² ºC / W)
Thermal Transmittance (U-Value)	1.377 (W / m² ºC)
Standards	BS EN 771 - BS EN 772

8” LIGHT WEIGHT INSULATION BLOCK.

8” LIGHT WEIGHT ISULATION BLOCK	
Dimensions	400 × 200 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	3.5 N/mm²
Weight	11 Kg
Gross Dry Density	700 Kg/m³
Thermal Resistance (R-Value)	1.787 (m² ºC / W)
Thermal Transmittance (U-Value)	0.559 (W / m² ºC)
Standards	BS EN 771 - BS EN 772

HOLLOW BLOCK

Al Manaratain Hollow blocks are manufactured in compliance with BS standard as specified by the project specification and the requirements. Blocks are the main constituent for the construction Technology, we manufacture as per the standard dimensions with uniform, durable and economically.

4" RAK HOLLOW BLOCK.

4" RAK HOLLOW BLOCK	
Dimensions	400 × 100 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm²
Weight	13.4Kg
Gross Dry Density	1700 Kg/m³
Standards	BS EN 771 - BS EN 772

6" RAK HOLLOW BLOCK.

6" RAK HOLLOW BLOCK	
Dimensions	400 × 150 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm² - 8.5 N/mm² - 10 N/mm²
Weight	16.9Kg
Gross Dry Density	1400 Kg/m³
Standards	BS EN 771 - BS EN 772

8" RAK HOLLOW BLOCK.

8" RAK HOLLOW BLOCK	
Dimensions	400 × 200 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm² - 8.5 N/mm² - 10 N/mm²
Weight	22.1Kg
Gross Dry Density	1400 Kg/m³
Standards	BS EN 771 - BS EN 772

10” RAK HOLLOW BLOCK.

10” RAK HOLLOW BLOCK	
Dimensions	400 × 250 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm² - 8.5 N/mm² - 10 N/mm²
Weight	28 Kg
Gross Dry Density	1400 Kg/m³
Standards	BS EN 771 - BS EN 772

12” RAK HOLLOW BLOCK.

12” RAK HOLLOW BLOCK	
Dimensions	400 × 300 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm² - 8.5 N/mm² - 10 N/mm²
Weight	30.8 Kg
Gross Dry Density	1300 Kg/m³
Standards	BS EN 771 - BS EN 772

8” RAK HALF BLOCK.

8” RAK HALF BLOCK	
Dimensions	200 × 200 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm² - 8.5 N/mm² - 10 N/mm²
Weight	10.5 Kg
Gross Dry Density	1350 Kg/m³
Standards	BS EN 771 - BS EN 772

8” RAK HOLLOW LINE BLOCK.

8” RAK HOLLOW LINE BLOCK	
Dimensions	400 × 200 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm²
Weight	22.1Kg
Gross Dry Density	1400 Kg/m³
Standards	BS EN 771 - BS EN 772

4” LOCAL HOLLOW BLOCK.

4” LOCAL HOLLOW BLOCK	
Dimensions	400 × 100 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	5 N/mm²
Weight	13.4Kg
Gross Dry Density	1700 Kg/m³
Standards	BS EN 771 - BS EN 772

6” LOCAL HOLLOW BLOCK.

6” LOCAL HOLLOW BLOCK	
Dimensions	400 × 150 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	5 N/mm²
Weight	16.9Kg
Gross Dry Density	1400 Kg/m³
Standards	BS EN 771 - BS EN 772

8” LOCAL HOLLOW BLOCK.

8” LOCAL HOLLOW BLOCK	
Dimensions	400 × 200 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	5 N/mm²
Weight	22.1Kg
Gross Dry Density	1400 Kg/m³
Standards	BS EN 771 - BS EN 772

4” RAK - MOH (MINISTRY OF HOUSING) BLOCK.

4” RAK - MOH BLOCK	
Dimensions	390 × 90 × 190 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm² - 8.5 N/mm² - 10 N/mm²
Weight	12.5 Kg
Gross Dry Density	1900 Kg/m³
Standards	BS EN 771 - BS EN 772

6” RAK - MOH (MINISTRY OF HOUSING) BLOCK.

6” RAK - MOH BLOCK	
Dimensions	390 × 140 × 190 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm² - 8.5 N/mm² - 10 N/mm²
Weight	14.1 Kg
Gross Dry Density	1400 Kg/m³
Standards	BS EN 771 - BS EN 772

8” RAK - MOH (MINISTRY OF HOUSING) BLOCK.

8” RAK - MOH BLOCK	
Dimensions	390 × 190 × 190 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm² - 8.5 N/mm² - 10 N/mm²
Weight	18.5 Kg
Gross Dry Density	1350 Kg/m³
Standards	BS EN 771 - BS EN 772

12” RAK - MOH (MINISTRY OF HOUSING) BLOCK.

12” RAK - MOH BLOCK	
Dimensions	390 × 290 × 190 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm² - 8.5 N/mm² - 10 N/mm²
Weight	25.2 Kg
Gross Dry Density	1200 Kg/m³
Standards	BS EN 771 - BS EN 772

8” ½ RAK - MOH (MINISTRY OF HOUSING) BLOCK.

8” ½ RAK - MOH BLOCK	
Dimensions	190 × 190 × 190 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm² - 8.5 N/mm² - 10 N/mm²
Weight	9.7 Kg
Gross Dry Density	1450 Kg/m³
Standards	BS EN 771 - BS EN 772

8” ¾ RAK - MOH (MINISTRY OF HOUSING) BLOCK.

8” ¾ RAK - MOH BLOCK	
Dimensions	290 × 190 × 190 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm² - 8.5 N/mm² - 10 N/mm²
Weight	15.5 Kg
Gross Dry Density	1500 Kg/m³
Standards	BS EN 771 - BS EN 772

U-BLOCK

Al Manaratain U-Block are used for casting concrete bands to ensure rigidity of buildings, and as optional support surface under ceiling beams, panels and masonry bars. U-Blocks are also suitable for casting monolithic concrete lintels at construction sites. In that case, U-Block function as formwork and the design works are guided by general design regulations for reinforced concrete structures.

4” RAK U-BLOCK.

4” RAK U-BLOCK	
Dimensions	390 × 90 × 190 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm²
Weight	12.5 Kg
Gross Dry Density	1900 Kg/m³
Standards	BS EN 771 - BS EN 772

6” RAK U-BLOCK.

6” RAK U-BLOCK	
Dimensions	390 × 140 × 190 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm²
Weight	17.5 Kg
Gross Dry Density	1700 Kg/m³
Standards	BS EN 771 - BS EN 772

8” RAK U-BLOCK.

8” RAK U-BLOCK	
Dimensions	390 × 190 × 190 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm²
Weight	21 Kg
Gross Dry Density	1500 Kg/m³
Standards	BS EN 771 - BS EN 772

HOURDI ROOF BLOCK

Al Manaratain Hourdi masonry blocks are manufactured in compliance with the international standards and specified by the specification. The units are suitable for a various climatic conditions and ideally used in the slab floor concrete, as a purpose of filler blocks.

- **All Al Manaratain Hourdi blocks can be produced in Light Weight**

7" RAK HOURDI BLOCK.

7" RAK HOURDI BLOCK	
Dimensions	410 / 370 × 175 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	5 N/mm²
Weight	17.7 Kg
Gross Dry Density	1300 Kg/m³
Standards	BS EN 771 - BS EN 772

9" RAK HOURDI BLOCK.

9" RAK HOURDI BLOCK	
Dimensions	390 / 360 × 225 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	5 N/mm²
Weight	21.5 Kg
Gross Dry Density	1300 Kg/m³
Standards	BS EN 771 - BS EN 772

12" RAK HOURDI BLOCK.

12" RAK HOURDI BLOCK	
Dimensions	400 / 360 × 300 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	5 N/mm²
Weight	25 Kg
Gross Dry Density	1100 Kg/m³
Standards	BS EN 771 - BS EN 772

DECORATIVE SPLIT BLOCK

This is a truly versatile product suited to both exterior and interior use. Over the traditional construction method, the split blocks have many advantages like natural beauty with modern look, economical, maintenance free and insulation properties. It saves the construction cost and time since it doesn't require any plastering and painting.

- **All Al Manaratain Decorative Split Blocks are manufactured in different range of colors with smooth or rough finishing.**

4" RAK SPLIT BLOCK – SMOOTH AND ROUGH.

4" RAK SPLIT BLOCK	
Dimensions	400 × 100 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm²
Weight	15.2 Kg
Gross Dry Density	1900 Kg/m³
Standards	BS EN 771 - BS EN 772

8" RAK SPLIT BLOCK – SMOOTH AND ROUGH.

8" RAK PLIT BLOCK	
Dimensions	400 × 200 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm²
Weight	24 Kg
Gross Dry Density	1500 Kg/m³
Standards	BS EN 771 - BS EN 772

8" RAK SLOTTED SPLIT INSULATION BLOCK – SMOOTH AND ROUGH.

8" RAK SLOTTED SPLIT INSULATION BLOCK	
Dimensions	400 × 200 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm²
Weight	29.5 Kg
Gross Dry Density	1900 Kg/m³
Standards	BS EN 771 - BS EN 772

SOLID BLOCK

Al Manaratain Solid Blocks are designed to meet and exceed all current and future regulations and are manufactured using the very latest production technology. Solid blocks are manufactured with crushed aggregates, sand and cement and it is commonly used for foundation of structures.

4" RAK SOLID BLOCK.

4" RAK SOLID BLOCK	
Dimensions	400 × 100 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm² - 8.5 N/mm² - 10 N/mm²
Weight	16.5 Kg
Gross Dry Density	2100 Kg/m³
Standards	BS EN 771 - BS EN 772

6" RAK SOLID BLOCK.

6" RAK SOLID BLOCK	
Dimensions	400 × 150 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm² - 8.5 N/mm² - 10 N/mm²
Weight	26 Kg
Gross Dry Density	2200 Kg/m³
Standards	BS EN 771 - BS EN 772

8" RAK SOLID BLOCK.

8" RAK SOLID BLOCK	
Dimensions	400 × 200 × 200 mm
Dimensional Tolerance	Category D1
Mean Compressive Strength	7 N/mm² - 8.5 N/mm² - 10 N/mm²
Weight	35 Kg
Gross Dry Density	2200 Kg/m³
Standards	BS EN 771 - BS EN 772