



**Albarq**  
cement industry llc  
الرق لصناعة الأسمنت ذ.م.م

Leading manufacturer of  
**Portland Cement**

[www.albarqcement.ae](http://www.albarqcement.ae)

# Introduction

**AL BARQ CEMENT INDUSTRY L.L.C (ABCI)** is a subsidiary of the prestigious Bin Fadel Holding. ABCI is known to be among the leading manufacturers of Portland cement where its first class range of cement is demonstrated by its strength, reliability and durability being the preferred foundation for high-rise towers, modern infrastructures and most secure residential.

Albarq Cement Industry's cement products are specifically developed for the necessities and requirements that would be sustainable under GCC climate and weather conditions. They are manufactured exceeding global standards, tailor made for the Middle Eastern market.

Our business model is built around the key attributes of:

- Excellence in Quality
- Consistent Customer Satisfaction
- Industry Expertise

We work hand-in-hand with world renowned equipment manufacturers: Thyssenkrupp, Christian Pfeiffer, Heko, Enxco and others to be able to build a world-class plant that produces the most premium quality standard cement available. Through the most advanced Siemens automation technologies, our entire plant is monitored and controlled to ensure the highest level of production at all times.

Our high-caliber, innovative, cementitious solutions together with our unbeatable team of technical experts, customer service managers, and logistic experts collectively ensure that every client of ours receives excellent service that matches the unrivalled quality of our products.

Our cement grinding unit capacity is **400,000 tons** per year. Our Enxco Technologies packing plant has a loading capacity of 1800 bags/hour.

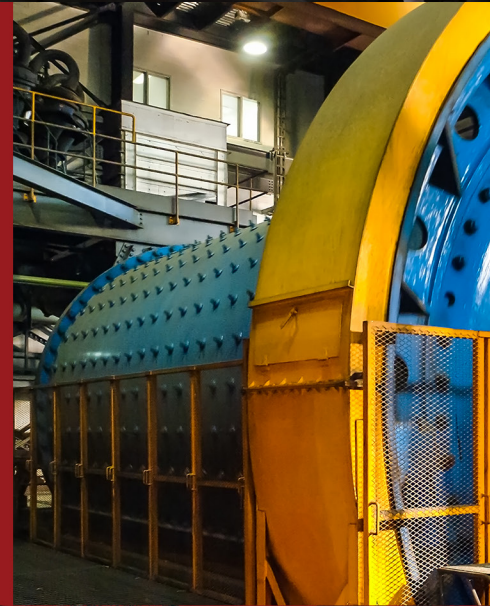






## Vision

To be regionally recognized as the premier supplier of Portland cement for wide varieties of construction needs and to play an active role in the economic, infrastructural, residential and industrial development of the region through the provision of high-quality products and expertise.



## Mission

To deliver a first class quality and a customer satisfying experience throughout our processes and operations in order to create a culture of unrivalled excellence and reliability, ensuring that we become recognized as the first choice for cement products in the Middle East.







## Our Products

Our high-quality cement products consist of:

1. Ordinary Portland cement (OPC) 42.5N as per BSEN 197-1:2011 and ASTM C-150 Type I standard
2. Sulphate Resisting Portland cement (SRC) as per BS EN 4027:2003 and ASTM C 150 Type V standard
3. Moderate Sulphate Resisting Portland Cement (MSRC) as per ASTM C 150 Type II standard
4. Portland Limestone Cement (PLC) 32.5 N as per BSEN 197-1:2011 standard
5. Ground Granulated Blast Furnace Slag (GGBFS) as per BS EN 15167-1:2006 standard
6. White Portland cement (WPC) 52.5 N as per BSEN 197-1:2011 standard





# Product Description

## 1. Ordinary Portland Cement (OPC) CEM-I 42.5 N

OPC is the top choice in the UAE. Portland cement is used in various applications, from concrete, mortar, masonry product projects including: high-rise office buildings, roadways bridges, residential foundations and driveways, water collection and treatment facilities, airport structures and render to the manufacture of precast units such as blocks, bricks, pipes, and tiles.

It is produced by inter grinding of high-grade clinkers with high C3S content and the right quality gypsum in predetermined proportions.

Al Barq Cement Industry Portland Cement exceeds all applicable chemical and physical requirements of BS EN 197-1:2011 & ASTM C 150 Type I standards.

**Application:** Cast-in place & reinforced concrete, ready mix concrete, precast & prestressed concrete, pavement concrete, architectural concrete, concrete masonry units, masonry mortars, grouts, renders, screeds, etc.

### Mode of despatch

- Bulk
- 50 Kg Bags
- 1.5 Ton Jumbo Bags

## Features & Benefits

- Guaranteed high uniformity and consistency with the utmost excellence in quality
- High early and final strength for speedy constructions
- Low alkali cement (Low alkali content is effective to prevent damage from alkali silica reaction)
- High fineness results to ensure better workability that endures dense and durable concrete
- Low chloride, free lime & magnesia which result to longevity of concrete structures
- Conforms to both BS EN 197-1:2011 & ASTM C 150 Type I

### Technical Data

Material	Ordinary Portland Cement
Colour	Grey
Fineness	> 330 m <sup>2</sup> /kg
Strength Class	42.5 N to BS EN 197-1:2011 / ASTM C 150-Type I
Chemical Composition	In accordance with BS EN 197-1:2011 ASTM C 150-Type I
*Conformity certification available on request	







## 2. Sulphate Resisting Portland Cement (SRC) 42.5 N

SRC is a type of Portland cement that has low Tricalcium Aluminate (C3A) content and is designed to improve the performance of concrete against sulphate attack which may be present in soil, ground water etc. Sulphate resistance is achieved by limiting the level of C3A in cement, the main component hindering the resistance to sulphate attack.

Sulphate attacks result in a series of chemical reactions in hardened cement paste in the presence of sulphate ions. This results in the product occupying greater volume than the host reactants thus causing internal expansion & deterioration of the concrete elements.

SRC provides the highest resistance against sulphate ions. It is produced by inter-grinding of cement clinker & a small quantity of gypsum. It conforms to both BS 4027:1996 & ASTM C 150 Type V.

**Application:** Structural concrete subject to sulphate-rich environments, blinding/PCC, sewage treatment structures, mass concrete structures, piles, foundations, underground structures, precast concrete, etc.

### Mode of despatch

- Bulk
- 50 Kg Bags
- 1.5 Ton Jumbo Bags

## Features & Benefits

- High resistance against sulphate attack due to low C3A and alkali content
- Guaranteed high uniformity and consistency with the utmost excellence in quality
- High early and final strength: strength class of ABCI SRC is 42.5 N
- Less heat, hydration, reduced plasticity and drying shrinkage hence low risk of cracking
- Conforms to both BS 4027:1996 & ASTM C 150 Type V

### Technical Data

Material	Sulphate Resisting Portland Cement
Colour	Dark Grey
Fineness	> 330 m <sup>2</sup> /kg
Strength Class	42.5 N to BS EN 4027:2003 / AST C 150-Type V
Chemical Composition	In accordance with BS EN 4027:2003 / AST C 150-Type V
*Conformity certification available on request	





### 3. Moderate Sulphate Resisting Cement (MSRC) Type II

MSRC is a Portland cement for general use, specifically when moderate sulphate resistance is desired. (commonly referred to as ASTM C 150 Type II cement).

This cement is typically used in concrete exposed to moderately aggressive sulphate environments where concrete comes in contact with soil containing moderate sulphate content and is meant for use when concrete is in contact with soils and groundwater.

A limitation on the composition is that the (C3A) shall not exceed 8%, which reduces its vulnerability to sulphates.

#### Mode of despatch

- Bulk
- 1.5 Ton Jumbo Bags

Technical Data	
Material	Moderate Sulphate Resisting Portland Cement
Colour	Grey
Fineness	> 330 m <sup>2</sup> /kg
Strength Class	ASTM C 150-TYPE II
Chemical Composition	In accordance with ASTM C 150
*Conformity certification available on request	



### 4. Portland Limestone Cement (PLC)

PLC is a slightly modified version of Portland cement that spotlights the importance of environmental footprint alongside excellent concrete quality. It is basically consider as a masonry cement and it is suitable for most concrete applications such as general purpose, finishing applications, precast concrete, plaster, mortars for brick & block-work, screed, concrete block, etc. This environmental friendly product is produced by intergrinding cement clinkers and rigorously controlled amounts of high-purity limestone & gypsum. It conforms to BS EN 197-1: 2011.

#### Mode of despatch

- Bulk
- 50 Kg Bags
- 1.5 Ton Jumbo Bags

Technical Data	
Material	Portland Limestone Cement
Colour	Light Grey
Fineness	> 400 m <sup>2</sup> /kg
Strength Class	32.5 N BSEN 197-1:2011
Chemical Composition	In accordance with BS EN 197-1:2011
*Conformity certification available on request	





## 5. Ground Granulated Blast-Furnace Slag (GGBFS)

GGBFS is a by-product of iron manufacturing. In order to use it in combination with Portland cement it shall be produced in accordance to BS EN 15167-1:2006. To produce superior and longer lasting concrete; a replacement rate of up to 70% is permitted. GGBFS is a high-performing option in comparison to traditional cement due to its increase in technical performance upon application, improvement in appearance and its conscious environmental impact.

GGBF is preferred for its technical, environmental and aesthetic qualities by engineers, architects and stakeholders. Using GGBFS in concrete can extend the lifespan, prevent cracking and lower the embodied energy of a project. It yields a much stronger and more durable finished concrete that is capable of withstanding the most aggressive environments, such as exposure to chlorides and sulphites, without increasing the cement content which is economical and cost-effective.


Iron Slag is an industrial by-product that is up-cycled into a commodity product. It is formed by rapidly quenching molten blast furnace slag with water upon exiting the iron processing system. GGBFS is produced by drying and grinding the GGBFS at our milling plant in Abu Dhabi, U.A.E.

### Mode of despatch

- Bulk
- 1.5 Ton Jumbo Bags

### Technical Data

Material	Ground Granulated Blast Furnace Slag
Colour	White
Fineness	> 400 m <sup>2</sup> /kg
Chemical Composition	In accordance with BS EN 15167-1:2006
Activity Index	> 95 % @ 28 days BS EN 15167-1:2006
*Conformity certification available on request	



## 6. White Portland Cement

White Portland Cement has essentially the same properties as grey cement, except for color. The color of white cement is determined by its raw materials and the manufacturing process. Metal oxides, primarily iron and manganese, influence the whiteness and undertone of the material.

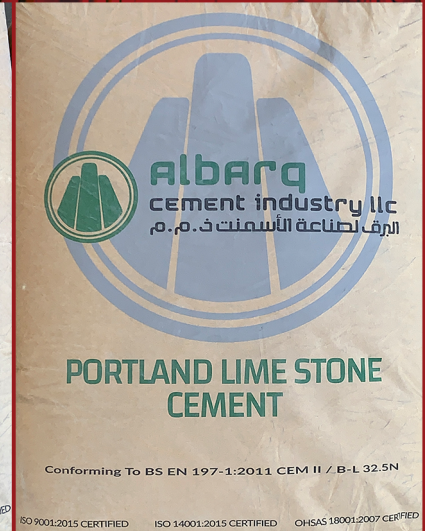
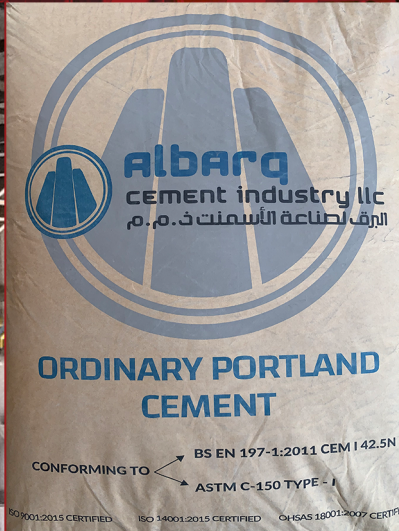
White Portland Cement can be used for all types of architectural or structural concrete construction where a whiter or brighter color may be needed for aesthetic or safety reasons. A key advantage of using white cement for decorative and architectural concrete is that it provides a neutral tinting base and consistent color results. White Portland Cement can be used for; Stucco/Plaster, Cast-in-place, Highway median barriers, Tile grout, Masonry units, Swimming pools, colored masonry products, Hardscapes, Cement paints and coatings, Roofing tiles, Tilt-up panel systems, Terrazzo floors, Architectural precast panels/systems. It is produced in accordance to BS EN 197-1:2011 and ASTM C 150.

### Mode of despatch

- 50 Kg Bags
- 1.5 Ton Jumbo Bags

### Technical Data

Material	White Portland Cement
Colour	White
Fineness	> 400 m <sup>2</sup> /kg
Chemical Composition	In accordance with BS EN 197-1:2011 / AST C 150
Activity Index	In accordance with BS EN 197-1:2011 / AST C 150
*Conformity certification available on request	







## Quality Control

The integrated management system has been organized to comply with the requirement of the international standard ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018. This system covers the operations of Al Barq Cement Industry LLC and its sites at any point of time. Our physical lab is equipped with state-of-the-art technologies, and follows British/European (BS EN) and American (ASTM) specifications.

**SUPERIOR PRODUCT  
QUALITY AND EXCEPTIONAL  
CUSTOMER SATISFACTION**



# Leading manufacturer of **Portland Cement**

**ISO** 9001:2015, ISO 14001:2015 & 45001:2018 CERTIFIED



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Made In **Abu Dhabi**