# Ministry of Works





MED/BML/L-049/23

Sunday, February 5, 2023

AL MANARTAIN COMPANY AND ALI ALSHEAB GROUP W.L.L Flat 1, Bldg 221, Road 389, Block 357, Al Burhama Kingdom of Bahrain

Dear Sirs.

# CONCRETE MIX COMPLIANCE CERTIFICATE NO. 192 MIX REFERENCE NO. 35/OPC/PWA

Thank you for your letter reference, dated Thursday, 05 January 2023, enclosing production results of your mix reference **35/OPC/PWA** of Grade 35 N/mm<sup>2</sup> OPC. I enclose herewith the renewal certificate of this mix.

Yours faithfully,

Amal A.Nabi Abdulla Khalaf

Director,

cc:

Materials Engineering Directorate

cir, 180, 1100-5 MTR

Building Materials and Chemical Analysis Laboratory Section, MED

QMS - H.P.C&M.D., Ministry of Housing

Certificate No: 192 Control No: 20230205-00607

#### RENEWAL OF COMPLIANCE CERTIFICATE READY MIXED CONCRETE

Company: AL MANARTAIN COMPANY AND ALI ALSHEAB GROUP W.L.L

MOW Mix designation : 35/20/OPC

Ministry of Housing designation: 35

Suppliers Mix reference No. : 35/OPC/PWA

Test results from the normal production of this mix are been examined and assessed. These results demonstrate continued compliance with specified requirements.

The analysis details and current margin are as given below.

Sampling period	10/10/2022 <b>to</b> 06/12/2022		
No. of test results	40		
Mean Strength	66.1	N/mm <sup>2</sup>	
<b>Standard Deviation</b>	2.65	N/mm <sup>2</sup>	
Current Margin	3.0	N/mm <sup>2</sup>	

*Note* <sup>1</sup>: *Previous Suppliers Mix reference No.was MAYO35*.

The supplier code for this mix is **35/OPC/PWA**. This reference code must be quoted on each delivery ticket.

Compliance Certificate **No. 192** is valid for a period of one year from the date of issue or as the date stated below.

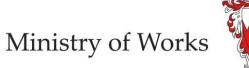
Date of issue
Date of expire

: 05/02/2023

07/01/2024

Ahmed Yusuf Al-Hadi

A/Chief, Building Materials & Chemical Analysis Laboratory





Certificate No: 192 Control No: 20230205-00607

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MOW Mix designation : 35/20/OPC

Ministry of Housing designation : 35

Suppliers Mix reference No : 35/OPC/PWA

MIX DESIGN DETAILS						
Materials	Type	Source	Quantity	Units		
20 mm Aggregate	Limestone U.A.E.	UCO Marine	840	Kg/m³		
10 mm Aggregate	Limestone U.A.E.	UCO Marine	480	Kg/m³		
0-5mm Aggregates	Limestone U.A.E.	UCO Marine	190	Kg/m³		
Marine Sand	Washed Marine Sand	Sand Washing	370	Kg/m³		
		Plant				
Cement	OPC	Saudi Cement Co.	350	Kg/m³		
Water	Deionized	R.O Plant	148	l/m³		
Admixture	P9	CORMIX	2.5	Kg/m³		

Date of first issue : 08/01/2001 Date of expire : 07/01/2024

"The Contractor shall forward full details of the mix to the S.O. for approval. When the mix has been approved, no variations shall be made in the proportions, the original source of the cement and aggregates or in the type, size and grading zone of the latter without the consent of the S.O. who may require further tests to be made."

This concrete mix certificate is been considered withdrawn if the approval of cement, PFA and micro silica sources are not renewed and/or removed from the current MED, list of approved manufacturers of cement, PFA and micro silica. Likewise, it is at suspension if the aggregates materials are not compliance with present MOW Standard Specification, the status is in the issued up to date status summary.

MED APPROVED

Ahmed Yusuf Al-Hadi

A/Chief, Building Materials & Chemical Analysis Laboratory







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Company: AL MANARTAIN COMPANY AND ALI ALSHEAB GROUP W.L.L

MOW Mix designation : 35/20/OPC

Ministry of Housing designation : 35

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QUALITY CONTROL TEAM					
POSITION	NAME	TELEPHONE			
Technical Manager	Adel Abbas	<u>17 590097</u> - C/P <u>36055350</u>			
<b>Quality Control Engineer</b>	Ahmed Husham	<u>36895369</u>			
Plant Operator 1	Vinod Sivadasan	<u>17701205</u>			
Plant Operator 2	Pradeepa Kumar	<u>17701205</u>			
Mat. Technician	Ammar Jaafer Salman	<u>17701205</u>			
Mat. Technician	Husain Ali Marzooq	<u>17701205</u>			
Mat. Technician	Ahmed Abdulla	<u>36895534</u>			
Mat. Technician	Sumesh Pullayikkodi	36895515			
Mat. Technician	Aswin Raj Ganesan	<u>17701205</u>			
Mat. Technician	Narayanan Melaparambath	<u>17701205</u>			
Mat. Technician	Sarin Chandran Pullaikodi	<u>17701205</u>			
Mat. Technician	Abdulhameed Jawad	<u>36055374</u>			

Your attention is drawn to Clause B. Stage 2 of The Materials Engineering Directorate quality assurance procedures for suppliers.

"Random inspection and sampling including reviews of production controls and engineering support."

MED APPROVED

Ahmed Yusuf Al-Hadi

A/Chief, Building Materials & Chemical Analysis Laboratory