

Ministry of Works



وزارة الأشغال

MED/BML/L-082/23

Thursday, February 23, 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. 507**  
**MIX REFERENCE NO. 20/SRC/PWA**

Thank you for your letter, dated Thursday, 16 February 2023, enclosing production results of your mix reference **20/SRC/PWA** of Grade 20 N/mm<sup>2</sup> SRC. I enclose herewith the renewal certificate of this mix.

Yours faithfully,

**Amal A. Nabi Abdulla Khalaf**  
**Director,**  
**Materials Engineering Directorate**

cir, 180, 1100-5 MTR

cc: Building Materials and Chemical Analysis Laboratory Section, MED  
QMS – H.P.C&M.D., Ministry of Housing





Certificate No: 507

Control No: 20230222-00639

**RENEWAL OF COMPLIANCE CERTIFICATE**  
**READY MIXED CONCRETE**

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

MOW Mix designation : 20/20 SRC  
Ministry of Housing designation : 20/20 SRC  
Suppliers Mix reference No. : 20/SRC/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	29/11/2022 to 08/01/2023	
No. of test results	40	
Mean Strength	33.1	N/mm <sup>2</sup>
Standard Deviation	1.42	N/mm <sup>2</sup>
Current Margin	3.0	N/mm <sup>2</sup>

*Note: The concrete cubes compressive strength results, standard deviation is skeptical.*

The supplier code for this mix is **20/SRC/PWA**. This reference code must be quoted on each delivery ticket.

Compliance Certificate **No. 507** is valid for a period of one year from the date of issue or as the date stated below.

Date of issue : 23/02/2023

Date of expire : 28/02/2024

MED APPROVED

**Ahmed Yusuf Al-Hadi**

**A/Chief, Building Materials & Chemical Analysis Laboratory**



Certificate No: 507

Control No: 20230222-00639

**COMPLIANCE CERTIFICATE**  
**READY MIXED CONCRETE**

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Suppliers Mix reference No : 20/SRC/PWA

MIX DESIGN DETAILS				
Materials	Type	Source	Quantity	Units
20 mm Aggregate	Limestone U.A.E.	UCO Marine	790	Kg/m <sup>3</sup>
10 mm Aggregate	Limestone U.A.E.	UCO Marine	380	Kg/m <sup>3</sup>
0-5mm Aggregates	Limestone U.A.E.	UCO Marine	200	Kg/m <sup>3</sup>
Marine Sand	Washed Marine Sand	UCO Marine	550	Kg/m <sup>3</sup>
Cement	SRC	FALCON Cement	280	Kg/m <sup>3</sup>
Water	Deionized	R.O Plant	180	l/m <sup>3</sup>
Admixture	ISOLA PS-9	ISOLA	3.2	Kg/m <sup>3</sup>
	ISOLAPLAS BT-65	ISOLA	3.2	Kg/m <sup>3</sup>

Date of first issue : 01/03/2021

Date of expire : 28/02/2024

"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 &amp; Chemical Analysis Laboratory



**COMPLIANCE CERTIFICATE**  
**READY MIXED CONCRETE**

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

**MOW Mix designation :** 20/20 SRC  
**Ministry of Housing designation :** 20/20 SRC  
**Suppliers Mix reference No. :** 20/SRC/PWA

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

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**