

Client	Consultant	Project	Contractor
	 دار الرياض DAR AL RIYADH	BW RUH S25 Boulevard World Enhancement	 اتجاه البناء Building Direction

TRANSMITTAL (Material Submittal)

Submit Resubmit

Date	Project Code/Type	Project Title	PO No.	Transmittal No.
23-Aug-2025	Code: RY63 Type: BDTS	Boulevard World-Italy	29217	BD-RY63-BDTS-MAT-CIV-25-013-REV-00

DISCIPLINE

AR CI ST ME EL LC LA HS

To: Project Manager Head Office Others From: **Building Direction**

CONTRACTOR USE

Location: Building External

Item No.	Division	Item Description (Name, Type, Size, Capacity, Specific Use, Etc.)	Manufature	Catalog No. Brochure No., Others	No. of Copies
1		Concrete Mix Design – C40 (AISaif Company)	AISaif Company		
2					
3					
4					
5					
6					
7					
8					
9					
10					

Submitted by

Name: EHAB Title: _____ Signature: _____ Enclosures: Hard Copy Soft Copy

Name: _____ Title: _____ Signature: _____

Name: _____ Title: _____ Signature: _____

Name: _____ Title: _____ Signature: _____

Name: _____ Title: _____ Signature: _____

Items: _____

CONSULTANT USE

Item #	Code	Reviewed By	Approved	Approved As Noted	Amend & Resubmit	Rejected	No Action
			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Action Code**
- No Exceptions Taken
 - Make Corrections as Noted
 - Amend and Resubmit
 - Rejected
- Remarks:**
- Installation shall only proceed when Action Code is 1 or 2.
 - Action Code 3, shall be resubmitted within time limit set in the contract.
 - Review does not relieved the Contractor from Responsibility of Compliance with all requirements of Contract documents.

Special Instructions

we have no objection to operate the attached mix design for f'c = 40 concrete, The test of concrete must be submitted at least concrete 7 and 28 days from the dates of pouring

the tests must be according to (SBC) (ASTM) standards requirements

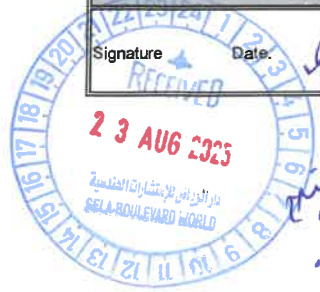
And mix design must be submitted for all types of concrete.

Action Taken by:

Name: [Signature] Title: **Rep. Engineer** Signature: _____ Date: 23/8/2025

Name: ADEEB ZAEEM Title: **Project Manager** Signature: _____ Date: 2025/8/23

IN	OUT
Signature: _____ Date: _____	Signature: _____ Date: _____



Handwritten signature and date: 23-08-2025



Client 	Consultant دار الرياض DAR AL RIYADH	Project BW RUH S25 Boulevard World Enhancement	Contractor اتجاه البناء Building Direction
------------	---	---	--

TRANSMITTAL (Pre-Qualification)

Submit Resubmit

Date	Project Code/Type	Project Title	PO No.	Transmittal No.
20-Aug-2025	Code: RY83 Type: BDTS	Boulevard World-Italy	29217	BD-RY63-BDTS-DOC-CIV-25-010-REV-00

DISCIPLINE

AR CI ST ME EL LC LA HS

To: Project Manager Head Office Others From: **Building Direction**

CONTRACTOR USE

Location: Building External

Item No.	Division	Item Description (Name, Type, Size, Capacity, Specific Use, Etc.)	Manufature	Catalog No. Brochure No., Others	No. of Copies
1		Ready-Mix Concrete Supplier (AlSalf Company)	AlSalf Company		

Submitted by

Name: <u>Ehab</u>	Title: <u>Project Manager</u> Signature		Closures:	Hard Copy	Soft Copy
Name: _____	Title: <u>Sr.Mechanical Engineer</u> Signature				
Name: _____	Title: <u>Technical Manager</u> Signature				
Name: _____	Title: <u>QA/QC Manager</u> Signature				Items:

CONSULTANT USE

Item #	Code	Reviewed By

Approved Approved As Noted Amend & Resubmit Rejected No Action

Action Code

1. No Exceptions Taken
2. Make Corrections as Noted
3. Amend and Resubmit
4. Rejected

Remarks:

- a) Installation shall only proceed when Action Code is 1 or 2.
- b) Action Code 3, shall be resubmitted within time limit set in the contract.
- c) Review does not relieved the Contractor from Responsibility of Compliance with all requirements of Contract documents.

Special Instructions

we have no objection to approve the attached company as a supplier to Ready mix concrete, providing that mix design for all types of concrete, it's all mix for all concrete types should be conducted as per Code (SAC) requirements and ASTM too

All tests must be conducted under and supervision prior to use

Action Taken by: *# All tests of concrete must be attached at day 7, 28 of concrete*

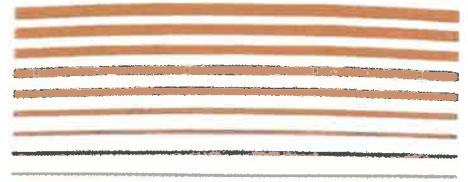
Name: <u>_____</u>	Title: <u>Rep. Engineer</u>	Signature:	Date: <u>20/8/25</u>
Name: <u>ADEEB ZAEEM</u>	Title: <u>Project Manager</u>	Signature:	Date: <u>2025/8/20</u>

IN	OUT	Consultant Stamp
Signature:	Signature: _____	_____



Handwritten signature and date: 20-08-2025

السيف للخرسانة AL SAIF READY MIX

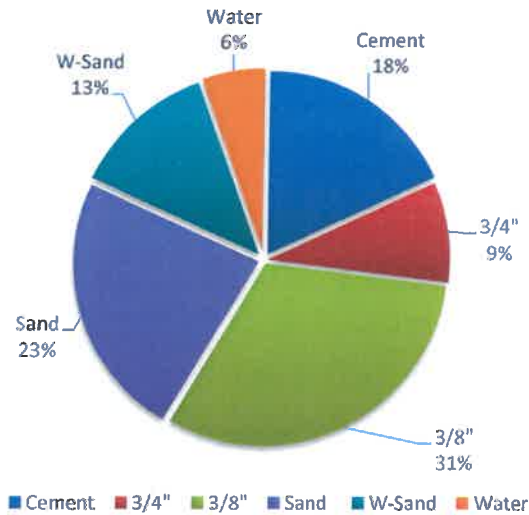


CONCRETE MIX DESIGN

CLIENT	: Building Direction Contracting Company	DATE	: 20-Aug-25
PROJECT	: Boulevard World	REFERENCE #	: SFG 019
LOCATION	: Hiteen AL- Riyadh , KSA	MIX CODE #	: 0-19
CONSULTANT	: DAR Al-Riyadh	Conc. Class	: 40 Mpa
Mix Design	: C40 SCC SRC+5%MS +WP	Cement Type	: SRC+5%MS+WP
	SELF COMPACTING CONCRETE		

MATERIALS	SOURCE	SG	MC (%)	ABS. (%)	SSD WT. (Kgs. / 1 m ³)	ADJUSTED WT. (Kgs. / 1 m ³)	ADJUSTED WT. (Kgs. / 0.03 m ³)
							SCC
Cement	AL RIYADH Cement	3.150			428	428	12.825
Microsilica	AL-Husain	2.280			23	23	0.675
Fly Ash	Pozzolanic	2.300			0	0	0.000
20mm	Al Rashed Rumah	2.570	0.65	2.0	210	207	6.211
10mm	Al Rashed Rumah	2.580	0.65	2.0	744	734	22.021
Red Sand	Ragbah Area	2.610	0.20	1.2	554	548	16.447
C. Sand	Al Rashed Rumah	2.570	0.65	1.7	298	295	8.851
Water	Riyadh Area	1.000			131	152	4.561
Admix-1	Arkaz 3582	1.160			2.8	2.8	0.084
Admix-2	Arkaz DP20	1.160			1.5	1.5	0.045
Admix-3	ARK proof WP	1.170			2.3	2.3	0.069
					Total Weight, Kgs/m ³	2393	

PERCENTAGE OF CONCRETE MIX



PREPARED BY:
Muhammad Hashim
Tech Manager



Location : Riyadh Laboratory KSA

Date : 20-Aug-25

Specification						
Design Strength:	40	MPa	MSA:	20	mm	Approx. Air Content : 2.0%
Target Strength:	40	MPa	FLOW:	700±100	mm	STANDARD ASTM
Cement Factor:	450	Kgs.	Curing Age:	28	Days	Target W / C : 0.29
Cementitious Materials						
Material	Source / Brand	Type / Screed	Specific Gravity	Weight (Kgs.)	rete	Absolute Vol.(m ³)
Cement	AL RIYADH Cement	SRC	3.15	428	95%	0.136
Microsilica	AL-Husain	-	2.28	23	5%	0.010
Fly Ash	Pozzolanic	C/F	2.3	0	0%	0.000
P.P Fiber	Fiber	P.P	0.91	0	-	0.000
Total				450	100%	0.146

Liquid Materials						
Material	Source / Brand	Type	Specific Gravity	Dosage (Ltr)	Percent (%)	Absolute Vol. (m ³)
Water	Riyadh Area	Sweet Water	1.000	131	29.00%	0.131
Admix-1	Arkaz 3582	Type/G	1.160	2.80	0.62%	0.002
Admix-2	Arkaz DP20	Retarder	1.160	1.50	0.33%	0.001
Admix-3	ARK proof WP	Water Proof	1.170	2.30	0.51%	0.002
Total				137.1	30.47%	0.136

Total Absolute Volume Of Coarse and Fine Aggregates, m ³	0.698	Yield =	1.000
		Batch Weight / m ³ =	2393

Coarse and Fine Aggregate Proportion				
Aggregates	Average Specific Gravity		Absolute Vol. m ³	Weight Kgs
	Oven Dry			
Coarse Agg.	2.578	53%	0.370	954
Fine Agg.	2.596	47%	0.328	852
Total		100%	0.698	1806

Coarse Aggregate Proportion					
Size	Source	Sp. Gr. SSD	Percent %	Absolute Vol. m ³	Weight Kgs
20mm	Al Rashed Rumah	2.57	22%	0.082	210
10mm	Al Rashed Rumah	2.58	78%	0.288	744
Total			100%	0.370	954

Fine Aggregate Proportion					
Size	Source	SG	100	Abs. Vol, m3	Weight,Kgs
Red Sand	Raghbah Area	2.61	65%	0.212	554
C. Sand	Al Rashed Rumah	2.57	35%	0.116	298
Total			100%	0.328	852

Batch Weigh (SSD), 1 cubic meter

Material	Mois. Cont. %	Absorption %	SSD Wt.	Adjusted Wt.
			Kgs.	Kgs.
Cement			428	428
Microsilica			23	23
Fly Ash			0	0
20mm	0.65	2.0	210	207
10mm	0.65	2.0	744	734
Red Sand	0.20	1.2	554	548
C. Sand	0.65	1.7	298	295
Water			131	152
Admix-1			2.80	2.80
Admix-2			1.50	1.50
Admix-3			2.30	2.30
Total, Kgs			2393	

Trial Mix Weigh, kgs. m³

Material	Weight (kgs.)	
Cement	12.825	
Fly Ash	0.675	
Fly Ash	0.000	
3/4" CA	6.211	
3/8" CA	22.021	
Red Sand	16.447	
W-Sand	8.851	
Water	4.561	
Admix-1	84	ml
Admix-2	45	ml
Admix-3	69	ml
		0.03

Note: AL-Saif RMC reserve the right to adjust the mix design any time in line with the codes and standards and in consultation with the contractor, justified changes in accordance with the Company's QA program.