



Arab Center المركز العربي

For Engineering Studies لدراسات الهندسية

REPORT ON MONITORING OF CONCRETE MIX DESIGN

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Client	TOUGH BUILD BUILDING PREFECTION	Report No.	ARM23027352
Contractor	NO SPECIFIC CONTRACTOR	Date Reported	30/11/24
Consultant	NO SPECIFIC CONTRACTOR	Sample No.	ASM23007466
Project No.	N.P.	Request No.	ASM23007465
Project Name	Internal Testing	Client Ref.	N.P.
Sample Description	FRECH CONCRETE LAB TRIAL MIX #1	Sampled By	ACES Rep.
Source	TOUGH BUILD BUILDING PREFECTION	Sampling Date	09/12/24
Location Sample	ACES DIP LAB	Sampling Cert.	N.P.
Batching Time	9:40	Ambient Temp.	28 °C
Lot No.	N.P.	Sample Brt. In By	Client's Rep.
Lot Size.	N.P.	Sample Size	0.1m ³
Conc. Mix Grade	C60/20 (OPC + TOUGHPLAST - 150	Date Received	10/12/24
Test Method	As Below	Date Tested	14/12/24
Tested Location	ACES Dubai Lab	Tested By	Lab
Remarks	-		

TYPE OF TEST	TEST METHOD	TEST RESULT
Bleeding of Concrete	ASTM C232-04	Nil
Air Content of concrete	BS 1881 : 1983 Part 106	1.2%
Density of Frech Concrete	BS 1881 : 1983 Part 106	2420 kg/m ³

TYPE OF TEST	TEST METHOD	TEST RESULT
		Initial
Temperature (°C)	ASTM 1064C – 1064 M-05	26.7
Slump of Concrete (mm)	BS 1881 : 1983 P102, Amd6727-89	110



Eng. Harces Sulaiman
Material Department Manager

Notes: 1. The test results in this report relate only to the test sample as received and tested by the laboratory. 2. Unless otherwise stated in Remarks, all samples were received in acceptable condition. 3. This report shall not be reproduced except in full, without written approval of ACES.

Disclaimer: Unless otherwise stated, Client and project details as well as sampling and sample identification information included in this report are provided by the Client. ACES shall not be liable for any incorrect results arising from unclear, erroneous, incomplete, misleading or false information provided by the Client.

Form: RT-2846-116

- END OF REPORT -



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Reported tests / services are carried out under the controls established by a Bureau Veritas Certification approved management system that conforms with ISO 9001 : 2015

REPORT ON SETTING TIME OF CONCRETE MIX BY PENETRATION RESISTANCE

Page No. 1/2

Client	TOUGH BUILD BUILDING PREFECTION	Report No.	ARM23027352
Contractor	NO SPECIFIC CONTRACTOR	Date Reported	30/11/24
Consultant	NO SPECIFIC CONTRACTOR	Sample No.	ASM23007466
Project No.	N.P.	Request No.	ASM23007465
Project Name	Internal Testing	Client Ref.	N.P.
Sample Description	FRECH CONCRETE LAB TRIAL MIX #1	Sampled By	ACES Rep.
Source	TOUGH BUILD BUILDING PREFECTION	Sampling Date	09/12/24
Location Sample	ACES DIP LAB	Sampling Cert.	N.P.
Batching Time	9:40	Ambient Temp.	28 °C
Lot No.	N.P.	Sample Brt. In By	Client's Rep.
Lot Size.	N.P.	Sample Size	0.1m ³
Conc. Mix Grade	C60/20 (OPC + TOUGHPLAST - 150	Date Received	10/12/24
Test Method	ASTM C 403 – C403M -97	Date Tested	14/12/24
Tested Location	ACES Dubai Lab	Tested By	Lab
Remarks	-		

TYPE OF TEST	TEST RESULT
Initial Setting Time	08 Hrs. & 35 Minutes
Final Setting Time	10 Hrs. & 40 Minutes




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Form: RT-35215 R.0

- END OF REPORT -

Setting Time of Concrete Mix by Penetration Resistance

