

TEST REPORT
THERMAL TRANSMISSION PROPERTIES
Method: ASTM C518-17

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Client	Housam El Din Ibrahim Jaamour Factory Company & Partner for the Manufacture Block & Tiles	Report No.	JPR21000401
Contractor	Housam El Din Ibrahim Jaamour Factory Company & Partner for the Manufacture Block & Tiles	Request No.	JPQ21000080
Project Name	Private	Date Reported	August 22, 2021
Consultant	N.P	Sample No.	JPS21000277
Sample Description	Volcanic Block 40x20x30 cm 6 holes	Sampled By	Client's Rep.
Date Received	August 11, 2021	Date Tested	February 13, 2021

Test Results

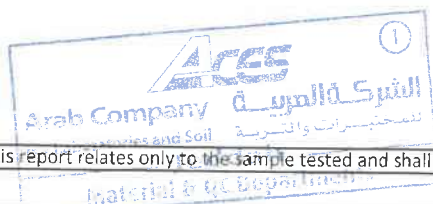
Layer No	Description	Density (Kg/m ³)	Thickness (mm)	Thermal Conductivity (W/(m.K))	Thermal Resistance (m ² .K/W)
1	Volcanic Block	1346.7	25.0	0.2198	0.114
2	Air Void	---	45.0	---	0.180
3	Volcanic Block	1346.7	25.0	0.2198	0.114
4	Air Void	---	45.0	---	0.180
5	Volcanic Block	1346.7	25.0	0.2198	0.114
6	Air Void	---	11.0	---	0.180
7	Volcanic Block	1346.7	25.0	0.2198	0.114
Total (R_T)					0.995

Thermal transmittance (U-Value)

Description	U-Value (W/(m ² .K))
Thermal Transmittance (U= 1/R _T)	1.01

Notes:

- * Thermal Transmission Properties by calculation method according to BS EN ISO 6946
- * This report represents submitted samples only



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This report relates only to the sample tested and shall only be reproduced in full with the written approval of ACES-Jeddah

Concrete Blocks Test Report

Client	Housam El Din Ibrahim Jaamour Factory Company & Partner for the Manufacture Block & Tiles	Report No.	JMR21006144
Contractor	Housam El Din Ibrahim Jaamour Factory Company & Partner for the Manufacture Block & Tiles	Date Reported	17-Aug-2021
Consultant	N.P.	Sample No.	JMS21002338
Project No.	N.P.	Request No.	JMQ21001586
Project Name	Private	Client Reference	Verbal
Sample Description	400x300X200 mm Hollow Block 6-Holes	Sampled By	Client's Rep
Source	N.P.	Sample Brt. In By	Client's Rep
Test Method	ASTM C140/C140M-20a	Date Received	11-Aug-2021
Tested By	ACES	Date Tested	12-Aug-2021

Dimensions:

Type	Size	Block No.	Dimensions				
			Length (mm)	Width (mm)	Height (mm)	Web (mm)	Face (mm)
Hollow Block	400x300X200	1	400.0	300.0	200.0	25.1	26.7
		2	400.0	300.0	200.0	25.5	26.8

Test Results by Measured Dimensions:

Type	Size	Block No.	Dimensions			Dry Density (Kg/m ³)	Maximum Load KN	Weight (g)	Compressive Strength (Individual) (Mpa)	Ave. Comp. Strength (Mpa)
			Length (mm)	Width (mm)	Height (mm)					
Hollow Block	400x300X200	1	400	300	200	1791.2	354.3	20597	6.2	6.4
		2	400	300	200	1810.5	381.1	20575	6.7	

* Test results shall not be interpreted, reproduced or quoted in a whole or in part without prior written approval of ACES

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