

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.	JPR22000094
Contractor	Housam El Din Ibrahim Jaamour Factory Company & Partner for the Manufacture Block & Tiles	Request No.	JPQ22000014
Project Name	Private	Date Reported	March 8, 2022
Consultant	N.P	Sample No.	JPS22000082
Sample Description	Volcanic Block 40x20x20 cm Blue insulation	Sampled By	Client's Rep.
Date Received	March 1, 2022	Date Tested	March 7, 2022

Test Results

Layer No	Description	Thickness (mm)	Thermal Conductivity (W/(m.K))	Thermal Resistance (m ² .K/W)
1	Volcanic Block	25.0	0.2490	0.100
2	Air Void	30.0	---	0.180
3	Volcanic Block	35.0	0.2490	0.141
4	Blue Insulation	70.0	0.0593	1.180
5	Volcanic Block	40.0	0.2490	0.161
Total (R_T)				1.762

Thermal transmittance (U-Value)

Description	U-Value (W/(m ² .K))
Thermal Transmittance (U= 1/R _T)	0.57

Notes:

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



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