

## TEST REPORT ON WATER VAPOUR TRANSMISSION

Client	Al Rayyan Building Insulation Company for Industry		
Sample Description	INSULATED CONCRETE FORM/EPS - EXPANDED POLYSTERENE SHEET	Lab Report No.	WD-R-260410-1008/1
Source	Al Rayyan Building Insulation Company for Industry	Request No.	WD-Q-260410-0227
Product Code	TYPE XI	Sample No.	WD-S-260410-1742
Brand	Gwalls /Oryx block	Date Received	10/04/2026
Test Method	ASTM E96/E96M-24a	Date Tested	14/04/2026-16/04/2026
Temperature in Test Chamber	23°C	Date Reported	16/04/2026
Relative Humidity in Test Chamber	50%	Room Temperature	23°C
Test Area	33.18 cm <sup>2</sup>	Room Relative Humidity	50%
Total Cycles	Continuous mode up to constant	Tested By	MAH

### Test Results

Test	Unit	Specimen 1	Specimen 2	Specimen 3	Average	Specification as per ASTM C578-23
Water Vapor Transmission (WVT)	g/m <sup>2</sup> /24Hours	17.3627	17.5330	17.1925	<b>17.3627</b>	-
	Perms	1.64	1.66	1.63	<b>1.64</b>	<b>Max. 5</b>

**Remarks:** The tested parameter meets the standard requirements of ASTM C578-23

**Method Variation:** None.

Signed for and on behalf of Wimpey Laboratories L.L.C.

**S. Sarath Kumar**  
Laboratory Manager

Test results relate only to the samples tested.

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## TEST REPORT ON OXYGEN INDEX

Client	Al Rayyan Building Insulation Company for Industry		
Sample Description	INSULATED CONCRETE FORM/EPS - EXPANDED POLYSTERENE SHEET	Lab Report No.	WD-R-260410-1008/2
Source	Al Rayyan Building Insulation Company for Industry	Lab Request No.	WD-Q-260410-0227
Product Code	TYPE XI	Sample No.	WD-S-260410-1742
Brand	Gwalls /Oryx block	Date Received	30/07/2025
Test Method	ASTM D2863-19	Date Tested	14/04/2026
Test Temperature	23°C	Date Reported	16/04/2026
Relative Humidity	50%	Wimpey Ref No	260410007
Tested By	SC		

### Test Results

Test	Unit	Result	Specification as per ASTM C578-23
Oxygen Index	% by Volume	30	Min. 24

**Remarks:** The tested parameter meets the standard requirements of ASTM C578-23

Signed for and on behalf of Wimpey Laboratories L.L.C.

**S.Sarath Kumar**  
**Laboratory Manager**

Test results relate only to the samples tested

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Test done by subcontracting



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