

Dubai Central Laboratory

Construction Materials Laboratory Section - Structural Unit

TEST REPORT

WATER VAPOR TRANSMISSION OF INSULATION MATERIALS

Report No:	100068935	Request No:	EMTX-2017-024235
Project No:	CF-321	Report Date:	17/05/2017
Project Name:	SAUDI INTERNATIONAL INSULATION MANUFACTURING COMPANY		
Consultant:	DUBAI MUNICIPALITY		
Contractor:	SAUDI INTERNATIONAL INSULATION MANUFACTURING COMPA		
Location:	Factory Warehouse-KSA		
Source:	NOT GIVEN		
Sample Description:	ROCK FIBRE (MINERAL FIBRE) BLOCK/BOARD		
Sampling Date/Time:	27/03/2017 10:00 AM	Lot Number:	N/A
Receiving Date/Time:	20/04/2017 10:07 AM	Lot Size:	- NA
Sample Size:	15 pieces	Sender No:	MDM-302
Material/Mix type:		Laying Date/Production Date:	13/03/2017
Nominal Size / Working Block Size L * T * H (mm) :		1200*600*100mm	

TEST RESULTS

PARAMETERS	RESULTS		
SAMPLE TYPE	NG		
SUPPORT / FACING	NIL		
NOM. THICKNESS (mm) :	100		
NOM. DENSITY (kg/cubic m) :	100		
SPECIMEN NOM. THICKNESS (mm)	100		
TEST METHOD USED	DESICCANT METHOD		
TEST ROOM TEMP. & RH	23+/-1Degree, 50+/-2% RH		
COMPOSITION OF SEALANT USED	PURIFIED PARAFFIN WAX		
TEST ASSEMBLY PREPARED ON	01-MAY-2017 00:00:00		
TEST DURATION (h)	240		
SPECIMEN NO.	1	2	3
SPECIMEN MEASURED THICKNESS (mm)	98.5	100.3	100.8
SPECIMEN MEASURED DENSITY (kg/cubic m)	94.4	106.4	106.1
WATER VAPOR TRANSMISSION (g/h m ²) - *METRIC UNIT	7.554	7.508	7.694
PERMEANCE (g/Pa. s. m ²) - *METRIC UNIT	1.49E-06	1.49E-06	1.52E-06
WATER VAPOR TRANSMISSION (grains/h. ft ²) - *INCH-POUND UNIT	10.833	10.772	11.039
PERMEANCE (perms) - *INCH-POUND UNIT	26.136	25.987	26.632
AVG. WATER VAPOR TRANSMISSION (grains/h. ft ²) - *INCH-POUND UNIT	10.88		
AVG. PERMEANCE (perms) - *INCH-POUND UNIT	26.25		

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Report No:	100068935	Request No:	EMTX-2017-024235
Sampled By:	Eng. Darwish	Tested By:	NASARDAR
Samples Brought By:	COURIER	Testing Date:	24/04/2017 12:53 PM
Sampling Method:	NOT GIVEN	Sampling Report No:	
Test Method:	ASTM E96/96M -2016	Test Method Variation:	NIL
Remarks:	THIS REPORT REPRESENTS THE SUBMITTED SAMPLES ONLY.		

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