

Dubai Central Laboratory

Construction Materials Laboratory Section - Structural Unit

TEST REPORT

WATER VAPOR SORPTION OF UNFACED MINERAL FIBER INSULATION

Report No:	100227394	Request No:	EMTX-2018-025931
Project No:	PS18-1045	Report Date:	15/05/2018
Project Name:	TESTING SERVICE FOR SAUDI INTERNATIONAL INSULATION MANUFACTURING CO.		
Consultant:	NA		
Contractor:	SAUDI INTERNATIONAL INSULATION MANUFACTURING COMPA		
Location:	Yanbu, KSA		
Source:	SAUDI INTERNATIONAL INSULATION MANUFACTURING CO. (SIIMCO) - KSA		
Sample Description:	ROCK FIBRE (MINERAL FIBRE) PIPE INSULATION		
Sampling Date/Time:	01/03/2018 10:00 AM	Lot Number:	NG
Receiving Date/Time:	23/04/2018 09:25 AM	Lot Size:	NG NA
Sample Size:	2 pieces	Sender No:	NG
Material/Mix type:	2 layers	Laying Date/Production Date:	
Nominal Size / Working Block Size L * T * H (mm) :		ID=89,Thickness=150(nested PS)	

TEST RESULTS

PARAMETERS	RESULTS		
SAMPLE TYPE	KIMMCO ISOVER STONE WOOL PIPE SECTION		
SUPPORT / FACING	NIL		
NOM. THICKNESS (mm) :	150		
NOM. DENSITY (kg/m ³) :	100		
NOM. THICKNESS (mm)	150		
NOM. DENSITY (kg/Cubic m)	100		
TEST TEMPERATURE & RH	49±2°C, 95±3% RH		
DATE START IN ENVIRONMENTAL CHAMBER	07-MAY-2018 14:00:00		
TEST DURATION (h)	96		
SPECIMEN NO.	1	2	3
SPECIMEN MEASURED THICKNESS (mm)	148.5	149.5	147.8
SPECIMEN MEASURED DENSITY (kg/m ³)	96.3	97.4	94.5
WATER VAPOR SORPTION BY WT. (%)	0.43	0.38	0.41
WATER VAPOR SORPTION BY VOL. (%)	0.04	0.04	0.04
AVG. WATER VAPOR SORPTION BY VOL. (%)	0.040		

Sampled By:	Ismail Khlaifat	Tested By:	SSRAJU
Samples Brought By:	Niju Mathew	Testing Date:	24/04/2018 09:12 AM
Sampling Method:	NOT GIVEN	Sampling Report No:	
Test Method:	ASTM C 1104/C-1104M - 13a	Test Method Variation:	NIL
Remarks:	THIS REPORT REPRESENTS THE SUBMITTED SAMPLES ONLY. ,# ,THE PIPE INSULATION SAMPLE CONSISTS		

This Report is computer approved and authorized by Structural Unit
It does not require any signature



LB-014



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OF NESTED PIPE SECTIONS WITH THE SMALLER ONE INSERTED IN THE BIGGER ONE TO FORM (150 MM)THICK SAMPLE.			

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