

Dubai Central Laboratory

Engineering Materials Laboratory Section – Structural Unit

TEST REPORT

WATER VAPOR TRANSMISSION OF INSULATION MATERIALS

REPORT NO. : 2014031959 DATE : 17/04/2014

WEB REQUEST NO. : DCL-27032014-0115

REQUEST NO. : 2014017895 SAMPLE NO. : 2014025707

PROJECT NO. : PS14-0041-1

PROJECT NAME : MODERN VENT. & INSUL.SYSTEMS FACTORY(HUYA)-K.S.A.

CONSULTANT : NO SPECIFIC CONSULTANT

CONTRACTOR : NO SPECIFIC CONTRACTOR

LOCATION : MODERN VENT. & INSUL.SYSTEMS FACTORY(HUYA)-DAMMAM, K.S.A.

SOURCE : MODERN VENT.&INSU.SYSTEMS FACTORY(HUYA)K.S.A.

SAMPLE DESCRIPTION : POLYISOCYANURATE RIGID FOAM INSULATION

SAMPLE TYPE : PIR PRE-INSULATED HVAC DUCT PANEL

SUPPORT / FACING : 80 MIC "AL" FOIL ON BOTH SIDES

NOM. THICKNESS (mm) : 20

NOM. DENSITY (kg/m³) : NG

Date of Sampling	: 19/01/2014	Time	: 10:00	Lot No.	: NG
Date of Receiving Sample	: 27/03/2014	Time	: 11:00	Lot Size	: NG
Size of Sample	: 1 No.	Area No.	: -	Sender No.	: NG

DATE OF SPECIMEN RECEIVED	28/03/2014
SPECIMEN NOM. THICKNESS (mm)	20
TEST METHOD USED	DESICCANT METHOD
TEST ROOM TEMPERATURE & RH	23±1°C, 50±2% RH
COMPOSITION OF SEALANT USED	PURIFIED PARAFFIN WAX
TEST START DATE & TIME	30/03/2014 @ 09:30 AM
TEST DURATION (h)	264

SPECIMEN NO.	1	2	3
SPECIMEN MEASURED THICKNESS (mm)	20.8	20.9	21.0
SPECIMEN MEASURED DENSITY (kg/m ³)	65.7	65.2	65.2
WATER VAPOR TRANSMISSION (g/h· m ²) - *METRIC UNIT	0.000	0.000	0.000
PERMEANCE (g/Pa· s· m ²) - *METRIC UNIT	0.00E+00	0.00E+00	0.00E+00
WATER VAPOR TRANSMISSION (grains/h· ft ²) - *INCH-POUND UNIT	0.00	0.00	0.00
PERMEANCE (perms) - *INCH-POUND UNIT	0.00	0.00	0.00
AVG. WATER VAPOR TRANSMISSION (grains/h· ft ²) - *INCH-POUND UNIT	0.00		
AVG. PERMEANCE (perms) - *INCH-POUND UNIT	0.00		

SAMPLED BY : ADAM MAHAT (Mfr.) TESTED BY : JAI GOVIND

SAMPLES BROUGHT IN BY : COURRIER

SAMPLING METHOD : NOT GIVEN

SAMPLING REPORT NO. : NG

TEST METHOD : ASTM E96-00

TEST METHOD VARIATION : NIL

REMARKS : THIS REPORT REPRESENTS THE SUBMITTED SAMPLE ONLY.

**AUTHORIZED BY
HEAD OF UNIT**

This report is computer approved, it does not require any signature

