

Dubai Central Laboratory

Engineering Materials Laboratory Section – Structural Unit

TEST REPORT

WATER ABSORPTION TEST (THERMAL INSULATION)

REPORT NO. : 2014029402 DATE : 09/04/2014
 WEB REQUEST NO. : DCL-27032014-0114
 REQUEST NO. : 2014017894 SAMPLE NO. : 2014025706
 PROJECT NO. : PS14-0041
 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" FACING 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	: 4 Nos.	Area No.	: -	Sender No.	: NG

DATE SPECIMEN RECEIVED	27/03/2014
TEST START DATE	30/03/2014
SPECIMEN NOM. THICKNESS (mm)	20
SPECIMEN NOM. DENSITY (kg/m ³)	NG
TEMP. & RH AT WHICH SPECIMEN CONDITIONED	23±2°C, 50±5% RH, 24h
DURATION OF TEST	2 h

SPECIMEN NO.	1	2	3
WATER ABSORPTION BY WT. (%)	0.27	1.09	0.69
WATER ABSORPTION BY VOL. (%)	0.02	0.07	0.05
AVG. WATER ABSORPTION BY VOL. (%)	0.04		

SPECIFICATION LIMIT : N.G. TESTED BY : SANKAR RAJU
 SAMPLED BY : ADAM MAHAT (Mfr.)
 SAMPLES BROUGHT IN BY : COURRIER
 SAMPLING METHOD : NOT GIVEN
 SAMPLING REPORT NO. : NG
 TEST METHOD : ASTM C 209 : 07a
 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

