

Dubai Central Laboratory

Engineering Materials Laboratory Section – Structural Unit

TEST REPORT

CLASSIFICATION OF CONSTRUCTION PRODUCTS & BUILDING ELEMENTS USING DATA FROM REACTION TO FIRE TESTS

REPORT NO. : 2016105676 DATE : 01/09/2016
WEB REQUEST NO. : DCL-18082016-0156 SAMPLE NO. : 2016097241
REQUEST NO. : 2016068833 PROJECT NO. : PS15-0047
PROJECT NAME : TESTING SERVICE FOR DOW CHEM IMEA GMBH (DUBAI BR)
CONSULTANT : NO SPECIFIC CONSULTANT
CONTRACTOR : NO SPECIFIC CONTRACTOR
LOCATION : AJMAN SITE-TECHNICAL METALIC PROFILES FACTORY
SOURCE : TECHNICAL METALIC PROFILES FACTORY L.L.C. - AJMAN
SAMPLE DESCRIPTION : POLYURETHANE SANDWICH PANEL
SAMPLE TYPE : POLYURETHANE SANDWICH PANEL
SUPPORT / FACING : BOTH SIDE METAL SHEET
NOM. THICKNESS (mm): 50
NOM. DENSITY (kg/m³) : NG

Date of Sampling : 17/08/2016 Time : 16:30 Lot No. : NG
Date of Receiving Sample : 20/08/2016 Time : 09:05 Lot Size : NG
Size of Sample : 15 Nos. Area No. : - Sender No. : NG

TEST REPORTS

NAME OF LABORATORY	NAME OF SPONSOR	TEST REPORT NO.	TEST METHOD
DCL	T.S. FOR DOW CHEM IMEA GMBH	2016105325	BS EN ISO 11925-2

TEST RESULTS

TEST METHOD & TEST NUMBER	PARAMETERS	NO. OF TESTS	RESULTS	
			CONTINUOUS PARAMETERS MEAN (m)	COMPLIANCE WITH PARAMETERS
BS EN ISO 11925-2 (15 SECONDS EXPOSURE - SURFACE)	FLAME SPREAD (Fs)	6	125	COMPLIANT
	FLAME DROPLETS		NONE	COMPLIANT
BS EN ISO 11925-2 (15 SECONDS EXPOSURE - EDGE)	FLAME SPREAD (Fs)	6	138	COMPLIANT
	FLAME DROPLETS		NONE	COMPLIANT

CLASSIFICATION

REACTION TO FIRE CLASSIFICATION

E

SAMPLED BY : MASOOD BALUCH DONE BY : Dr.SANKAR
SAMPLES BROUGHT IN BY : DOW CHEMICAL TEST START DATE : 22/08/2016
SAMPLING METHOD : NOT GIVEN
SAMPLING REPORT NO. : -
TEST METHOD : BS EN 13501 -1 :2007 + A1:2009
TEST METHOD VARIATION : NIL
REMARKS : THIS REPORT REPRESENTS THE SUBMITTED SAMPLES ONLY.
*TEST PERFORMED WITHOUT FACING.
LIMITATION : THIS CLASSIFICATION DOCUMENT DOES NOT REPRESENT TYPE APPROVAL OR CERTIFICATION OF THE PRODUCT

**AUTHORIZED BY
HEAD OF UNIT**

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



Dubai Central Laboratory

Engineering Materials Laboratory Section – Structural Unit

TEST REPORT

REACTION TO FIRE-IGNITABILITY OF BUILDING PRODUCTS SUBJECT TO DIRECT IMPINGEMENT OF FLAME-SINGLE FLAME SOURCE

REPORT NO. : 2016105325 DATE : 31/08/2016
 WEB REQUEST NO. : DCL-18082016-0156 SAMPLE NO. : 2016097241
 REQUEST NO. : 2016068833 PROJECT NO. : PS15-0047
 PROJECT NAME : TESTING SERVICE FOR DOW CHEM IMEA GMBH (DUBAI BR)
 CONSULTANT : NO SPECIFIC CONSULTANT
 CONTRACTOR : NO SPECIFIC CONTRACTOR
 LOCATION : AJMAN SITE-TECHNICAL METALIC PROFILES FACTORY
 SOURCE : TECHNICAL METALIC PROFILES FACTORY L.L.C. - AJMAN
 SAMPLE DESCRIPTION : POLYURETHANE SANDWICH PANEL
 SAMPLE TYPE : POLYURETHANE SANDWICH PANEL
 SUPPORT / FACING : BOTH SIDE METAL SHEET

NOM. THICKNESS (mm) : 50
 NOM. DENSITY (kg/m³) : NG

Date of Sampling : 17/08/2016 Time : 16:30 Lot No. : NG
 Date of Receiving Sample : 20/08/2016 Time : 09:05 Lot Size : NG
 Size of Sample : 15 Nos. Area No. : - Sender No. : NG

DATE OF SPECIMEN RECEIVED : 20/08/2016 NOM. LENGTH(mm) : 250
 DATE OF IGNITION : 25/08/2016 NOM. WIDTH (mm) : 90
 COND.TEMP., RH & DURATION : 23°C & 50% RH (48 Hr.) NOM. THICKNESS (mm) : 50
 SUBSTRATE USED & METHOD OF FIXING : NA FLAME APPLICATION TIME : 15 S

SURFACE OF ONE FACE

SPECIMEN NO
 ORIENTATION OF SPECIMEN
 DIMENSION OF SPECIMEN (L X W X T) mm
 TIME (s) AT WHICH FLAME TIP REACHES 150mm
 ABOVE THE APPLICATION POINT
 EXTEND OF FLAME SPREAD (mm)
 IGNITION OCCURS (YES/NO)
 IGNITION ON FILTER PAER (YES/NO)
 OBSERVATION OF PHYSICAL BEHAVIOUR
 a) FLAMING
 b) GLOWING
 c) DAMAGED AREA (H X W) mm
 d) OTHER OBSERVATION

1	2	3	4	5	6
L	L	L	C	C	C
250 X 90 X 50	250 X 90 X 50	250 X 90 X 50	250 X 90 X 50	250 X 90 X 50	250 X 90 X 50
NA	NA	NA	NA	NA	NA
130	130	120	120	130	120
YES	YES	YES	YES	YES	YES
NO	NO	NO	NO	NO	NO
YES	YES	YES	YES	YES	YES
NO	NO	NO	NO	NO	NO
110X25	110X25	100X25	95X25	105X25	100X25
NIL	NIL	NIL	NIL	NIL	NIL

EDGE OF ONE FACE

SPECIMEN NO
 ORIENTATION OF SPECIMEN
 DIMENSION OF SPECIMEN (L X W X T) mm
 TIME (s) AT WHICH FLAME TIP REACHES 150mm
 ABOVE THE APPLICATION POINT
 EXTEND OF FLAME SPREAD (mm)
 IGNITION OCCURS (YES/NO)
 IGNITION ON FILTER PAER (YES/NO)
 OBSERVATION OF PHYSICAL BEHAVIOUR
 a) FLAMING
 b) GLOWING
 c) DAMAGED AREA (H X W) mm
 d) OTHER OBSERVATION

1	2	3	4	5	6
L	L	L	C	C	C
250 X 90 X 50	250 X 90 X 50	250 X 90 X 50	250 X 90 X 50	250 X 90 X 50	250 X 90 X 50
NA	NA	NA	NA	NA	NA
140	140	130	140	135	140
YES	YES	YES	YES	YES	YES
NO	NO	NO	NO	NO	NO
YES	YES	YES	YES	YES	YES
NO	NO	NO	NO	NO	NO
110X30	115X30	110X30	115X30	115X30	115X30
NIL	NIL	NIL	NIL	NIL	NIL

SAMPLED BY
 SAMPLES BROUGHT IN BY
 SAMPLING METHOD
 SAMPLING REPORT NO.
 TEST METHOD
 TEST METHOD VARIATION
 REMARKS

MASOOD BALUCH
 DOW CHEMICAL
 NOT GIVEN
 -
 BS EN ISO 11925 - 2 : 2002
 NIL
 THIS REPORT REPRESENTS THE SUBMITTED SAMPLES ONLY.
 *TEST PERFORMED WITHOUT FACING.
 NIL

TESTED BY : NAZRUL
 TEST START DATE : 22/08/2016

STATEMENT AS PER
 BS EN ISO 11925-2 : 2002 (E)

"The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the test; the product in use"

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