

TEST REPORT

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Subject : Surface spread of flame test on "Decobond film laminated metal composite panel, 4 mm, PR-A", submitted by Jiangsu Pivot New Decorative Materials Co., Ltd on 22/02/2019.

Tested for : Jiangsu Pivot New Decorative Materials Co., Ltd
No. 7 Mengna Road
Huashi Jiangyin
Jiangsu, China
Attn: Mr Andy He

Method of Test : BS 476 : Part 7 : 1997 "Method of test to determine the classification of the surface spread of flame of products"

Description of Sample : Fifteen (15) pieces of "Decobond film laminated metal composite panel, 4 mm, PR-A", each of nominal test size of 885mm x 270mm x 3.2mm were received on 22/02/2019. (See Photo. 1 in Annex A.)

Test Results : Classification of Surface Spread of Flame : Class 1

Date of Test : 21/05/2019



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Test Results : "Decobond film laminated metal composite panel, 4 mm, PR-A"

Test Specimen No.	1	2	3	4	5	6
Density	1840 kg/m ³					
Spread of flame at the first 1½ minutes (mm)	0	0	0	0	0	0
Distance (mm)	Time of spread of flame to indicate distance (minutes.seconds)					
Start of flaming	Nil	Nil	Nil	Nil	Nil	Nil
75	-	-	-	-	-	-
165	-	-	-	-	-	-
190	-	-	-	-	-	-
215	-	-	-	-	-	-
240	-	-	-	-	-	-
265	-	-	-	-	-	-
290	-	-	-	-	-	-
375	-	-	-	-	-	-
455	-	-	-	-	-	-
500	-	-	-	-	-	-
525	-	-	-	-	-	-
600	-	-	-	-	-	-
675	-	-	-	-	-	-
710	-	-	-	-	-	-
750	-	-	-	-	-	-
785	-	-	-	-	-	-
825	-	-	-	-	-	-
865	-	-	-	-	-	-
Time of maximum spread of flame (minutes.seconds)	-	-	-	-	-	-
Distance of maximum spread of flame (mm)	0	0	0	0	0	0
Conclusion of Test	In accordance with the class definition specified in the Standard (see Table 2), the sample tested has a Class 1 Surface Spread of Flame					

Remarks:

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




Results:

Table 1 : Irradiance Along Horizontal Reference Line on the Calibration Board

Distance along reference line from inside edge of specimen holder (mm)	Irradiance KW/m ²		
	Specified	Minimum	Maximum
75	32.5	32.0	33.0
225	21.0	20.5	21.5
375	14.5	14.0	15.0
525	10.0	9.5	10.5
675	7.0	6.5	7.5
825	5.0	4.5	5.5




Table 2 : Classification of Surface Spread of Flame

Classification	Spread of flame at 1.5 minutes		Final spread of flame	
	Limit (mm)	Limit for one specimen in sample (mm)	Limit (mm)	Limit for one specimen in sample (mm)
Class 1	165	165 +25	165	165 +25
Class 2	215	215 +25	455	455 +45
Class 3	265	265 +25	710	710 +75
Class 4	Exceeded the limits for Class 3			



Jeff Kiew
Engineer



Tan Hong Choon
Building System (CMTD)
Construction Technology Division

Annex A



Photo. 1: Fifteen (15) pieces of "Decobond film laminated metal composite panel, 4 mm, PR-A", each of nominal test size of 885mm x 270mm x 3.2mm were received on 22/02/2019.

