Test Report

HAINING FUXING COMPOUND NEW MATERIAL CO., LTD
NO.1-2 DANMEI ROAD, ECONOMIC DEVELOPMENT ZONE, HAINING, ZHEJIANG, CHINA.

Sample Description	:	PVC FRONTLIT BANNER
Style/Item No.	:	510GSM, 1000D*1000D, 18*18

The above data and information was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion.

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SGS Ref No.	:	SHFS2209000497FF
Sample Receiving Date	:	Sep.09, 2022
Test Performing Date	:	Sep.09, 2022 to Sep.28, 2022

Test Result Summary

Test(s) Requested	Result(s)
DIN 4102-1:1998-05	The sample tested meets the requirements of class B1 of DIN 4102-1:1998-05 Clause 6.

Summary:

1. For further details, please refer to the following page(s).

Signed for and on behalf of
Shunde Branch
SGS-CSTC Co., Ltd.

scan to see the report

SDFS2209005816FF-01

Ada Liu
Approved signatory

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TESTS AND RESULTS

Test Conducted:
These tests are conducted in DIN 4102-1:1998-05 Clause 6 Class B building materials according to the application.

Conditioning:
Temperature: (23±2)℃; Relative Humidity: (50±6)%; Duration: 2 weeks;

Test Requirement:
All materials, except flooring, may be classed as B1 materials if they
– withstand the test specified in DIN 4102-16 using the 'Brandschacht' apparatus specified in DIN 4102-15, and
– meet the requirements for class B2 materials.

The test using the 'Brandschacht' apparatus described in DIN 4102-15 (cf. subclause 6.1.3.1) shall be deemed passed if
– the mean value for the residual length (portion of specimen that has not burned or charred; cf. subclause 9.1 of DIN 4102-16) of each specimen is at least 15 cm and no individual values are lower than 0 cm,
– the mean effluent temperature does not exceed 200 ℃ in any test,
– the requirement for the residual length of each specimen is met even where there is afterflame, afterglow, or smouldering.

Test Results:
1.DIN 4102-1 B2 Test Result

Parameter	Results									
	Bottom edge ignition					Surface ignition				
	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Specimen ignition (Yes/No)	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*
Ignition ceased time(s)	-	-	-	-	-	-	-	-	-	-
If flame tip reached 150mm line/40,190mm line(Yes/No)	No	No	No	No	No	No	No	No	No	No
Ignition time to reached 150mm line/40,190mm line(s)	-	-	-	-	-	-	-	-	-	-
Filter paper ignition (Yes/No)	No	No	No	No	No	No	No	No	No	No
Smoke developments	Slight smoke					Slight smoke				

Remark: *--The specimen was ignited but self-extinguished after removed the burner.

Class B2 Test requirement:
This test shall be deemed passed if, for any of the five specimens tested, flaming does not reach the gauge mark within 20 seconds after flame application, either with bottom edge ignition or surface ignition.

Sub-conclusion: Pass

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2.Additional DIN4102-16 Test Result
Group 1：

Parameter	Results				
	#1	#2	#3	#4	Average value
Remaining length (cm)	48	55	57	51	53
Max. flue gas temperature (℃)	93				
After flame / after glow (s)	0				
Other observation	Charring				

Remark: According to DIN 4102-16 Clause 5.2, if the residual length measured after the first test is 45cm or greater, further tests are not required.

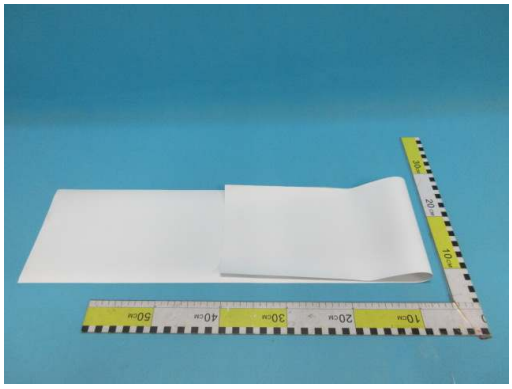
Sub-conclusion: Pass

Conclusions:

The sample tested meets the requirements of class B1 of DIN 4102-1:1998-05 Clause 6.

SAMPLE INFORMATION AND PICTURES

Area Density: 530g/m^2
Thickness: 0.4mm



Remark:
This test report is issued based on the modification of the original No. SDFS2209005816FF test report issued on Sep.28, 2022. And the original test reports (paper and electronic) are invalid. According to applicant's requirements, following changes are included:
a. Delete the color.

End of Report

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