ARLON GRAPHIC MATERIALS CO., LTD

NO. 1989 XINCHANG NORTH ROAD, CHANGLE WEIFANG, SHANDONG, 262400 CHINA

Sample Description	:	DPF 510 + SERIES 3515
Style/Item No.	:	/

The above sample(s) 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 arising therefrom. Results apply to the sample as received.

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SGS Ref. No.	:	QDIN2601000138PL02
Sample Receiving Date	:	Jan 23,2026
Testing Period	:	Jan 23,2026 to Feb 05,2026
Test Required	:	BS EN 13501-1:2018 Fire classification of construction products and building elements—Part 1: Classification using data from reaction to fire tests.
Test result(s)	:	See attached sheet

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd Anji Branch

Eva Zhang
Approved signatory

Scan to see the report
AJFTS26000594R02
Verification:
check.sgsonline.com.cn

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I. Test conducted

This test was conducted as per BS EN 13501-1:2018 Fire classification of construction products and building elements— Part 1: Classification using data from reaction to fire tests. And the test methods as following:

1. EN ISO 9239-1:2010 Reaction to fire tests for floorings —Part 1: Determination of the burning behaviour using a radiant heat source.
2. EN ISO 11925-2:2020 Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test.

II. Details of classified product

Sample description	Film
Color	White
Sample Size	EN ISO 9239-1: 1050mm×230mm EN ISO 11925-2: 250mm×90mm
Mass per unit area	276 g/m^2
Exposed surface	Front surface

Mounting and fixing:

Calcium silicone board, with its density approximate 900kg/m^3, thickness approximate 9mm, is as the substrate. The test specimens are glued to the substrate. No joints in the specimen.

III. Test results

Test methods	Parameter	Number of tests	Results
EN ISO 9239-1	Critical flux (kW/m^2)	3	≥11.0
	Smoke (%×minutes)		2.8
EN ISO 11925-2 Exposure = 15 s	Whether vertical flame spread (Fs) in excess of 150 mm within 20 s (Yes/No)	6	No

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IV. Classification and direct field of application

a) Reference of classification

This classification has been carried out in accordance with **BS EN 13501-1:2018**.

b) Classification

The product, Film, in relation to its reaction to fire behaviour is classified:

Fire behaviour		Smoke production	
B_{fl}	—	s	1

Reaction to fire classification: B_{fl}—s1

Remark: The classes with their corresponding fire performance are given in annex A.

c) Field of application

This classification is valid for the following end use applications:

--- With substrates classified as A1 or A2-s1,d0 according to EN 13238:2010

--- No joint

--- Glued to the substrate

This classification is valid for the following product parameters:

--- Characteristics as described in section II of this test report.

Statement:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

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 product in use.

Warning:

This classification report does not represent type approval or certification of the product.

SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch Fire Technology Service

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Annex 1

Classes of reaction to fire performance for floorings

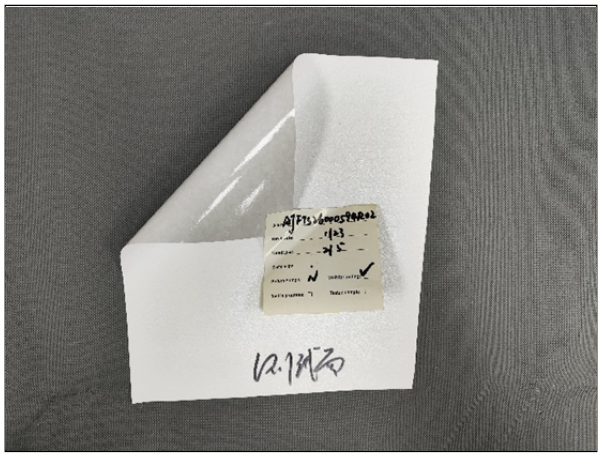
Class	Test methods	Classification	Additional classification
$A1_{fl}$	EN ISO 1182 [a] and	$\Delta T \leq 30℃$, and $\Delta m \leq 50\%$, and t_f=0(i.e. no sustained flaming)	-
	EN ISO 1716	PCS≤2.0MJ/kg [a] and PCS≤2.0MJ/kg [b] and PCS≤1.4MJ/m² [c] and PCS≤2.0MJ/kg [d]	-
$A2_{fl}$	EN ISO 1182 [a] or	△T≤50℃, and △m≤50%, and t_f≤20s	-
	EN ISO 1716 and	PCS≤3.0MJ/kg [a] and PCS≤4.0MJ/m² [b] and PCS≤4.0MJ/m² [c] and PCS≤3.0MJ/kg [d]	-
	EN ISO 9239-1 [e]	Critical flux [f] ≥8.0kW/m²	Smoke production [g]
B_{fl}	EN ISO 9239-1 [e] and	Critical flux [f] ≥8.0kW/m²	Smoke production [g]
	EN ISO 11925-2 [h] Exposure =15s	Fs≤150mm within 20 s	-
C_{fl}	EN ISO 9239-1 [e] and	Critical flux [f] ≥4.5kW/m²	Smoke production [g]
	EN ISO 11925-2 [h] Exposure =15s	Fs≤150mm within 20 s	-
D_{fl}	EN ISO 9239-1 [e] and	Critical flux f ≥3.0 kW/m²	Smoke production [g]
	EN ISO 11925-2 [h] Exposure =15s	Fs≤150mm within 20 s	-
E_{fl}	EN ISO 11925-2 [h] Exposure =15s	Fs≤150mm within 20 s	-
F_{fl}	EN ISO 11925-2 [h] Exposure =15s	Fs > 150 mm within 20 s	

[a] For homogeneous products and substantial components of non-homogeneous products.
[b] For any external non-substantial component of non-homogeneous products.
[c] For any internal non-substantial component of non-homogeneous products.
[d] For the product as a whole.
[e] Test duration = 30 min.
[f] Critical flux is defined as the radiant flux at which the flame extinguishes or the radiant flux after a test period of 30 min, whichever is the lower (i.e. the flux corresponding with the furthest extent of spread of flame).
[g] **s1** = Smoke ≤ 750 % minutes;
s2 = not s1.
[h] Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack.

SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch
检验检测专用章 Inspection & Testing Services

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Photo Appendix:



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End of Report

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