

Baudreville le 25 Septembre 2023,

Je soussigné Mathieu Pillias, gérant de la société Vert Espace, certifie que les articles de référence 21770-73FR ont été traités dans la masse avec un mélange ayant pour propriété de retarder la propagation du feu.

Cette référence 21770-73FR a obtenu, selon le test répondant à la norme EN 13501-1:2018 un classement B-S1,d0 comme confirmé dans le document N° SDFS2309005249FF de la société de contrôle SGS en date du 19 septembre 2023.

Pour information, voici le tableau des équivalences :

Classement M	Euroclasses Classes selon la EN 13501-1		
incombustible	A1		
M0	A2	s1	d0
M1	A2	s1	d1
		s2	d0
		s3	d1
		s3	
	B	s1	d0
		s2	d1
		s3	
M2	C	s1	
		s2	
		s3	
M3	D	s1	
M4 (non gouttant)	D	s2	
		s3	
M4	Toutes les classes autres que E, d2 et F		






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TESTING
CNAS L7877

Test Report

No. SDFS2309005249FF

Date: Sep.19, 2023

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Sample Description: POLYESTER CLOTH IN FIRE RETARDANT

Color: GREEN

Composition: PAINTING+FIRE RETARDANT LIQUID+POLYESTER CLOTH

Style / Item No.: PD+CS080-F240

Country of Destination: EUROPE&USA

End use application: DECORATION

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.

Sample Receiving Date: Sep.05, 2023

Test Performing Date: Sep.05, 2023 to Sep.19, 2023

Test Requested:

EN 13501-1:2018 Fire classification of construction products and building elements—Part 1: Classification using data from reaction to fire tests.

Test Results: -- See attached sheet --

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

Ada



Ada Liu
Approved signatory



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I. Test conducted

This test is conducted as per 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 13823:2020+A1:2022 Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item.
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	Fabric
Color	Green
Thickness	0.1 mm
Area density	108 g/m ²

Mounting and fixing:

Test substrate was calcium silicate board meets the requirement of EN13501-1, of Class A2-s1,d0, the density of 900 kg/m³ and thickness of 10mm.

Specimen was installed on the substrate by screw and with no ventilated cavity should be tested at a distance of 80 mm from the backing board.

III. Test results

Test methods	Parameter	Number of tests	Results
EN 13823	FIGRA _{0.2MJ} (W/s)	3	10.8
	FIGRA _{0.4MJ} (W/s)		10.8
	Whether lateral flame spread (LFS) to the edge of specimen (Yes/No)		No
	THR _{600s} (MJ)		0.6
	SMOGR _A (m ² /s ²)		1.9
	TSP _{600s} (m ²)		31.4
	Flaming particles or droplets (Yes/No)		No
EN ISO 11925-2 Exposure = 30 s	F _s ≤150mm within 60 s (Yes/No)	6	Yes
	Ignition of the filter paper (Yes/No)		No

Note:

FIGRA_{0.2MJ} - Fire growth rate index at THR threshold of 0,2 MJ [W/s]

FIGRA_{0.4MJ} - Fire growth rate index at THR threshold of 0,4 MJ [W/s]



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THR_{600s} - Total heat release within 600 s [MJ]

SMOGRA - Smoke growth rate [m²/s²]

TSP_{600s} - Total smoke production within 600 s [m²]

IV. Classification and field of application

a) Reference of classification

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

b) Classification

The product, Polyester cloth in fire retardant (as described by the sponsor), in relation to its reaction to fire behaviour is classified:

Fire behaviour		Smoke production			Flaming droplets	
B	—	s	1	,	d	0

Reaction to fire classification: B—s1, d0

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

c) Field of application

This classification is valid for the following product parameters:

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

This classification is valid for the following end use applications:

--- With all substrates classified as A1 or A2

--- With mechanically fixing

Limitations

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

Warning:

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

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.

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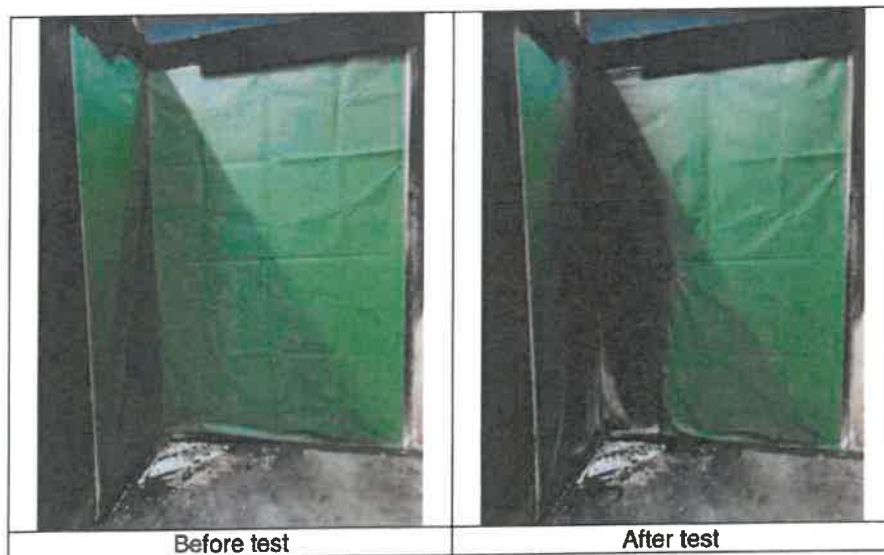
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- ^a For homogeneous products and substantial components of non-homogeneous products.
- ^b For any external non-substantial component of non-homogeneous products.
- ^c Alternatively, any external non-substantial component having a PCS $\leq 2,0 \text{ MJ/m}^2$, provided that the product satisfies the following criteria of EN 13823: FIGRA $\leq 20 \text{ W/s}$, and LFS < edge of specimen, and THR_{600s} $\leq 4,0 \text{ MJ}$, and s1, and d0.
- ^d For any internal non-substantial component of non-homogeneous products.
- ^e For the product as a whole.
- ^f s1 = SMOGRA $\leq 30 \text{ m}^2/\text{s}^2$ and TSP_{600s} $\leq 50 \text{ m}^2$; s2 = SMOGRA $\leq 180 \text{ m}^2/\text{s}^2$ and TSP_{600s} $\leq 200 \text{ m}^2$; s3 = not s1 or s2
- ^g d0 = No flaming droplets/ particles in EN 13823 within 600 s;
d1 = no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s;
d2 = not d0 or d1.
Ignition of the paper in EN ISO 11925-2 results in a d2 classification.
- ^h Pass = no ignition of the paper (no classification);
Fail = ignition of the paper (d2 classification).
- ⁱ Under conditions of surface flame attack and, if appropriate to the end-use application of the product, edge flame attack.

Photo Appendix:



SGS authenticate the photo on original report only

End of Report



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