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CLASSIFICATION REPORT

Established according to the article 5 of the Department State Order dated 21 November 2002

VALIDITY 5 YEARS from 23 September 2019

N° P195715 - DEC/2

and appendix of 3 pages

Material submitted by:	PVC PANEL INTERNATIONAL NV Nieuw industriepark 6 Dusiburg Paramaribo Suriname
Commercial trademark:	PVC PANELS
Brief description:	
Global composition :	Rigid double-walled hollowed profile based on fireproof PVC and fillers
End-use:	Products for under the roof,pvc panels and end strips
Mass per unit area:	(1,9 and 2,5) kg/m²
Thickness	(8 and 10) mm
Colour:	White
Test report:	**N° P195715 - DEC/2 dated 23 September 2019**
Type of tests:	Determination of classification according to NF P 92-507 (February 2004) Radiation test according to NF P 92-501 (December 1995), Flame persistence test and speed of the spread of flame according to NF P 92-504 (December 1995)

Classification: **M1**

VALID FOR ANY APPLICATION FOR WHICH THE PRODUCT IS NOT SUBJECT TO CE MARKING

Durability of classification (NF P 92-512 : 1986): A PRIORI UNLIMITED

In view of criteria resulting from the tests described in the appendiced Test Report **N° P195715 - DEC/2**.
To determine the classification, uncertainty on the results has not been taken into account.

The indicated classification prejudges in no way the conformity of the materials commercialized to the samples submitted to the tests and can in no way be considered as a certificate of qualification. This is not a product certification according to the L115-27 article of the consumption code and to the law dated on 3rd June 1994.

Is allowed only the integral reproduction of either this classification report consisting of this unique page, or the whole classification report with the annexed test report consisting of **4 pages**.

Trappes, September 23, 2019

The Head of Fire Behaviour and Fire Safety Department

Romuald GORJUP

Traduction du Document P195715 - DEC/1 réalisée par le LNE. La version en langue française fait foi

TEST REPORT

Established according to the article 5 of the Department State Order dated on 21 november 2002

VALIDITY 5 YEARS FROM 23 September 2019

N° P195715 - DEC/2

1. PURPOSE OF TEST

The purpose of tests to which this report relates is to determine the classification of materials, in accordance with the stipulations in the order from the Ministère de l'Intérieur, dated on 21 November 2002 relating to their reaction to fire.

2. ORIGIN AND CHARACTERISTICS OF SAMPLES

Test requested by	:	PVC PANEL INTERNATIONAL NV
Date and reference of order	:	Order n. 20190006 dated on 09/04/2019 according to quotation n.2019/9614
Producer	:	PVC PANEL INTERNATIONAL NV Nieuw industriepark 6 Dusiburg Paramaribo Suriname
Trademark (commercial reference)	:	PVC PANELS
Global composition	:	Rigid double-walled hollowed profile based on fireproof PVC and fillers
Characteristics attested by sponsor	:	
Mass per unit area	:	(1,9 and 2,5) kg/m²
Thickness	:	(8 and 10) mm
Colour	:	White
Caractéristics determined by LNE	:	
Mass per unit area	:	(2,09 and 2,34 ± 0,3) kg/m²
Thickness	:	(8,0 and 10,0 ± 1,0) mm
Colour	:	White

report to be followed on next page

3. TEST CONDITIONS

Receipt of samples: 09/09/2019

Samples conditioning prior to tests:

Samples – possibly placed on their substrate – are conditioned in a (23 ± 2) °C and (50 ± 5) % relative humidity atmosphere during seven days or until constant mass is achieved (like for materials highly thick, or still humid when delivered,).
Mass is considered as constant when two successive weighings with a 24 h interval do not differ by more than 0,1 % or 0,1 g (whichever is greatest).

Test performed on: 17/09/2019

4. RESULTS

4.1. HEAT RADIATION TEST ACCORDING TO NF P 92-501 (DECEMBER 1995)

4.1.1. Determination of the most adverse mode for testing

	Sample 1 10 mm	Sample 2 8 mm
Mass (g)	280,90	250,80
Perforation	Yes	Yes
Exposed side lighting time : ti1 (s)	_	_
Non exposed side lighting time : ti2 (s)	_	_
Total flame height ΣH (cm)	0	0
Total duration of flaming ΣΔT	0	0
$Q = \frac{100 \times \sum H}{ti\sqrt{\sum \Delta T}}$	0	0
Not flaming molten drips	No	No
Flaming molten drips	No	No

4.1.2. Pursuance of tests in the most adverse mode

	Sample 3 10 mm	Sample 4 10 mm	Sample 5 10 mm	Sample 6 10 mm	
Mass (g)	280,90	275,40	269,90	270,60	
Perforation	Yes	Yes	Yes	Yes	
Exposed side lighting time : ti1 (s)	_	_	_	_	
Non exposed side lighting time : ti2 (s)	_	_	_	_	
Total flame height ΣH (cm)	0	0	0	0	
Total duration of flaming ΣΔT	0	0	0	0	Mean Value =
$Q = \frac{100 \times \sum H}{ti\sqrt{\sum \Delta T}}$	0	0	0	0	0,0
Not flaming molten drips	No	No	No	No	
Flaming molten drips	No	No	No	No	

4.2. FLAME PERSISTANCE TEST ACCORDING TO NF P 92-504 (DECEMBER 1995)

4.2.1. Determination of the most adverse mode for testing

	Sample 1	Sample 2
Comments	8 mm	10 mm
Mass (g)	26,43	29,03
Test specimen's maximum duration of flaming (s)	0	0
Material's maximum duration of flaming inferior or equal to 2 s	Yes	
Material's maximum duration of flaming inferior or equal to 5 s	Yes	
Fall of not flaming molten drips	No	No
Fall of flaming molten drips	No	No

4.2.2. Pursuance of tests in the most adverse mode

	Sample 3	Sample 4	Sample 5	Sample 6
Comments	10 mm	10 mm	10 mm	10 mm
Mass (g)	29,03	29,24	29,04	29,33
Test specimen's maximum duration of flaming (s)	0	0	0	0
Material's maximum duration of flaming inferior or equal to 2 s	Yes			
Material's maximum duration of flaming inferior or equal to 5 s	Yes			
Fall of not flaming molten drips	No	No	No	No
Fall of flaming molten drips	No	No	No	No

5. OBSERVATIONS ABOUT TESTS

At the end of the heat radiation tests, a perforation without inflammation of the sample has been observed. Then complementary persistence tests and dripping tests have been performed.

Trappes, September 23, 2019

The Head of Fire Behaviour and Fire Safety Department

Romuald GORJUP

The results, which are quoted, are only applicable to the sample, the product or material submitted to LNE and which is fully described in this document.

Traduction du document (Document P195715 DEC/1) réalisée par le LNE.
La version en langue française fait foi.