

CLASSIFICATION REPORT

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

VALIDITY 5 YEARS from 4 August 2022

N° P223024 - DEC/3

and appendix of 3 pages

Material submitted by:

Solar Screen International SA
18 rue du Commerce
3895 Foetz
Luxembourg

Commercial trademark:

Alu 500XC, Alu 50C, Argent 95C, Artika X, Atoma, Azur 80XC, Black plus 97C, Bleu 40C, Bleu 80C, Bronze 80 C, Celsius 50C, Celsius 70C, cendre Plus 30C, Cendre Plus 50C, cendre Plus 65C, Cendre Plus 80C, Cendre Plus 95C, CHARCOAL PLUS 55C, CHARCOAL PLUS 65C, CHARCOAL PLUS 80C, CHARCOAL PLUS 90C, CHARCOAL PLUS 95C, Classic, Clear 1 UVC, CLEAR 15C, Clear 16C, Clear 21C, Clear 4 XC, Cleard Print 3C, Cuivre 50C, Cuivre 65C, Cuivre 80C, Decorum, Floris, Futura, Linea 10, Linea 18, Master 80XC, Mat acid-x, Mat blanc sécurité, Mat bronze, Mat Depoli Liner Carton, Mat gris, Mat jaune, Mat light, Multi Protec 4C, Mystic, Neutral 40UVC, Neutral 440C, Neutral 465C, Omega 475C, Omega 485C, Omega 495C, Opaque noir, Panthera 230C, Panthera 230C, Panthera 255C, Panthera 265C, Panthera 275C, Panthera 285C, Panthera 295C, Panthera 298C, Perla, Platine 44XC, Protector Architectural, Protector Clear, Protector Gloss, Protector Mat, Rouge C, Safe 4C, Spectra 30C, Structur, Swing, Titane 275 XC, Total Mirror, Vert 50C, Vert 80C, Vert 80XC, Vista 80C, Vista 90XC, Vista 99XC.

Brief description:**Global composition :**

No fireproof material composed of a PET film and a adhesive.

End-use:

Glass application

Mass per unit area:

(300 ± 10) g/m²

Thickness

0,04 to 0.485 mm

Colour:

Diverse

Test report:

N° P223024 - DEC/3 dated 4 August 2022

Type of tests:

Determination of classification according to NF P 92-507 (February 2004)
Radiation test according to NF P 92-501 (December 1995)

Classification:

M1

TAPED ON 4 MM GLASS PANEL

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 appended Test Report **N° P223024 - DEC/3**.
To determine the classification, uncertainty on the results has not been taken into account.

The indicated classification prejudices 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, August 4, 2022



**The Head of Energy, Environment and
Combustion Division**

Romuald GORJUP

Traduction du Document P223024 - DEC/2 réalisée par le LNE. La version en langue française fait foi

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TEST REPORT

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

VALIDITY 5 YEARS FROM 4 August 2022

N° P223024 - DEC/3

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

Characteristics attested by sponsor :

The validity of the results may be affected by this information. For these results, LNE's responsibility is limited to its contribution to their elaboration.

Test requested by	: Solar Screen International SA
Date and reference of order	: Your agreement from 24/05/2022 on quotation n° DEV2206255-V1
Producer	: Solar Screen International SA 18 rue du Commerce 3895 Foetz Luxembourg
Trademark (commercial reference)	: Alu 500XC, Alu 50C, Argent 95C, Artika X, Atoma, Azur 80XC, Black plus 97C, Bleu 40C, Bleu 80C, Bronze 80 C, Celsius 50C, Celsius 70C, cendre Plus 30C, Cendre Plus 50C, cendre Plus 65C, Cendre Plus 80C, Cendre Plus 95C, CHARCOAL PLUS 55C, CHARCOAL PLUS 65C, CHARCOAL PLUS 80C, CHARCOAL PLUS 90C, CHARCOAL PLUS 95C, Classic, Clear 1 UVC, CLEAR 15C, Clear 16C, Clear 21C, Clear 4 XC, Cleard Print 3C, Cuivre 50C, Cuivre 65C, Cuivre 80C, Decorum, Floris, Futura, Linea 10, Linea 18, Master 80XC, Mat acid-x, Mat blanc sécurité, Mat bronze, Mat Depoli Liner Carton, Mat gris, Mat jaune, Mat light, Multi Protec 4C, Mystic, Neutral 40UVC, Neutral 440C, Neutral 465C, Omega 475C, Omega 485C, Omega 495C, Opaque noir, Panthera 230C, Panthera 230C, Panthera 255C, Panthera 265C, Panthera 275C, Panthera 285C, Panthera 295C, Panthera 298C, Perla, Platine 44XC, Protector Architectural, Protector Clear, Protector Gloss, Protector Mat, Rouge C, Safe 4C, Spectra 30C, Structur, Swing, Titane 275 XC, Total Mirror, Vert 50C, Vert 80C, Vert 80XC, Vista 80C, Vista 90XC, Vista 99XC.
Global composition	: No fireproof matériel composed of a PET film and a adhesive.
Mass per unit area	: (300 ± 10) g/m ²
Thickness	: 0,04 to 0.485 mm
Colour	: Diverse
Caractéristiques déterminées by LNE	:
Mass per unit area	: (14700 ± 1500) g/m ²
Thickness	: (5,90 ± 0,59) mm
Colour	: Bleu 40C, Clear 16 C, Mat blanc sécurité, Omega 495, Panthera 285C and Swing.

report to be followed on next page

3. TEST CONDITIONS

Receipt of samples: 21/07/2022

Samples conditioning prior to tests:

Samples – possibly placed on their substrate – are conditioned in a $(23 \pm 2) ^\circ\text{C}$ and $(50 \pm 5) \%$ 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: From 26 to 27/07/2022

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	Sample 2
	–	–
Mass (g)	1754,00	1743,40
Perforation	No	No
Exposed side lighting time : ti1 (s)	–	–
Non exposed side lighting time : ti2 (s)	–	–
Total flame height ΣH (cm)	–	–
Total duration of flaming $\Sigma \Delta T$	–	–
$Q = \frac{100 \times \Sigma H}{ti \sqrt{\Sigma \Delta T}}$	0	0
Not flaming molten drips	No	No
No flaming molten drips	No	No

4.1.2. Pursuance of tests in the most adverse mode

	Sample 3	Sample 4	Sample 5	Sample 6	
	–	–	–	–	
Mass (g)	1746,50	1754,40	1753,70	1785,30	
Perforation	No	No	No	No	
Exposed side lighting time : ti1 (s)	–	–	–	–	
Non exposed side lighting time : ti2 (s)	–	–	–	–	
Total flame height ΣH (cm)	–	–	–	–	
Total duration of flaming $\Sigma \Delta T$	–	–	–	–	Mean Value =
$Q = \frac{100 \times \Sigma H}{ti \sqrt{\Sigma \Delta T}}$	0	0	0	0	0,0
Not flaming molten drips	No	No	No	No	
No flaming molten drips	No	No	No	No	

5. OBSERVATIONS ABOUT TESTS

None

Trappes, August 4, 2022



**The Head of Energy,
Environment and Combustion
Division**

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 P223024 DE/2) réalisée par le LNE.
La version en langue française fait foi.**