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LABORATOIRE DE TRAPPES  
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## CLASSIFICATION REPORT

(free translation of French test report N° P150601 – DE/1)  
established according to the article 5 of the Department State Order dated on 21 November 2002.

**VALID 5 YEARS FROM 11 December 2015**

**N° P150601 - DE/2**

And appendix of 4 pages

**Material submitted by :** SOLAR SCREEN INTERNATIONAL SA  
8, rue Vladimir Jankelevitch  
77184 EMERAINVILLE  
FRANCE

**Commercial trademark :** CENDRE 95XC - ALU 70C - ARGENT 99C - ARGENT 80C - ARGENT 70C - ARGENT 50C - OR 80C - BLEU 90C - VERT 90C - ROSE 90C - MAUVE 90C - ROUGE 90C - CUIVRE 90C - GRIS 30 UVC - AMBRE C - ALU 80XC - PLATINE 285XC - PLATINE 270XC - PLATINE 250XC - PLATINE 80XC - PLATINE 60XC - BRONZE 80XC - CUIVRE 80XC - NICKEL 80XC - NATURAL 275XC - NATURAL 260XC - SPECTRA 44XC - MAT OPAL - MAT BLANC - MAT METAL - OPAQUE BLANC - MAT DEPOLI - STEEL 75C - STEEL 65C - STEEL 50C - SPECTRA 33C - MULTIGLASS 66C - SOLAR 80C - SOLAR 65C - SOLAR 40C - METALUX PLUS - CLEAR 4 X C.G - SAFE 4 XC - SUPER CLEAR 4C - ARGENT 480C - ARGENT 470C - PROTEC 4C - SECUR 4 - PROTEC 6C - SUPER CLEAR 7C - CLEAR 8C - CLEAR 12C - CLEAR 15C

**Brief description :**  
**Global composition :** Non-fireproof PET adhesive film.  
**End-use :** Adhesive film glued on windows  
**Surface mass :** (55 ± 5) g/m<sup>2</sup> to (320 ± 5) g/m<sup>2</sup>  
**Thickness :** (25 ± 5) µm to (410 ± 5) µm  
**Colour :** Various

**Test report :** N° P150601 - DE/2 dated on 11 December 2015

**Type of tests :** Heat radiation test NF P 92-501 (December 1995)  
M Classification determination NF P92-507 (February 2004)

**Classification :** **M1** TAPED ON M0 LAMINATED GLASS OF 7 mm

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

**Durability of classification (NF P 92-512 : 1986) :** APPARANTLY NOT LIMITED

In view of criteria resulting from the tests described in the appended Test Report N° P150601 - DE/2

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 3<sup>rd</sup> june 1994.

**Note:** It is only allowed to reproduce this unique page as an integral photocopy or the whole classification report and the annexes that contains 5 pages.

Trappes, 08 January 2016



Head of the Energy, Environment and  
Combustion division



Noëlle PEDESPAN



Accréditation  
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## TEST REPORT

(free translation of French test report N° P150601 – DE/1)

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

**VALID 5 YEARS FROM 11 December 2015**

**N° P150601 - DE/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. SAMPLES SUBMITTED

Test requested by	:	SOLAR SCREEN INTERNATIONAL SA
Date and reference of order	:	Agreement on the quotation n°2015/19710 of 2015-11-26 and on the quotation n°2015/21105 of 2015-12-30
Producer	:	SOLAR SCREEN INTERNATIONAL SA
Trademark (commercial reference)	:	CENDRE 95XC - ALU 70C - ARGENT 99C - ARGENT 80C - ARGENT 70C - ARGENT 50C - OR 80C - BLEU 90C - VERT 90C - ROSE 90C - MAUVE 90C - ROUGE 90C - CUIVRE 90C - GRIS 30 UVC - AMBRE C - ALU 80XC - PLATINE 285XC - PLATINE 270XC - PLATINE 250XC - PLATINE 80XC - PLATINE 60XC - BRONZE 80XC - CUIVRE 80XC - NICKEL 80XC - NATURAL 275XC - NATURAL 260XC - SPECTRA 44XC - MAT OPAL - MAT BLANC - MAT METAL - OPAQUE BLANC - MAT DEPOLI - STEEL 75C - STEEL 65C - STEEL 50C - SPECTRA 33C - MULTIGLASS 66C - SOLAR 80C - SOLAR 65C - SOLAR 40C - METALUX PLUS - CLEAR 4 X C.G - SAFE 4 XC - SUPER CLEAR 4C - ARGENT 480C - ARGENT 470C - PROTEC 4C - SECUR 4 - PROTEC 6C - SUPER CLEAR 7C - CLEAR 8C - CLEAR 12C - CLEAR 15C
Global Composition	:	Non-fireproof PET adhesive film.
Characteristics attested by sponsor	:	
Surface mass	:	(55 ± 5) g/m <sup>2</sup> to (320 ± 5) g/m <sup>2</sup>
Thickness	:	(25 ± 5) µm to (410 ± 5) µm
Tested colors	:	CENDRE 95XC (black), ROUGE 90C (red), OPAQUE BLANC (white), STEEL 75C (black), PLATINE 285XC (grey), ARGENT 480C (grey), SAFE 4XC (clear), SUPER CLEAR 7C (clear), CLEAR 15C (clear)

**Report to be followed on next page**

**3. TEST CONDITIONS**Receipt of samples : 2015-12-03Samples conditioning prior to tests :

Samples, possibly placed on their substrates, are conditioned prior to the test into à (23 ± 2) °C and (50 ± 5) % relative humidity atmosphere, during seven days or until mass stabilization (case of humid or high thickness materials).

Mass is considered stabilized when two successive weighings, spaced out by 24 h, don't alter by more than 0,1 % or 0,1 g (the highest mass value is taken).

Test performed on : 2015-12-09 and 2015-12-10**4. TEST RESULTS****4.1. HEAT RADIATION TEST**

	Sample 2 Safe 4XC Clear 100µm	Sample 3 Super clear 7C Clear 200µm	Sample 4 Clear 15C Clear 410 µm	
Lighting time (s) exposed side (ti1)	350	342	290	
Lighting time (s) non exposed side (ti2)	–	–	–	
Total flame height Σh (cm)	42	42	72	
Total duration of flaming ΣΔT	186	198	262	Average =
$\varrho = \frac{100 \times \sum H}{n \sqrt{\sum \Delta T}}$	0.9	0.9	1.5	1.1
Not flaming molten drips	No	No	No	
No flaming molten drips	No	No	No	

**Report to be followed on next page**

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	Sample 1 Rouge 90C Red 50µm	Sample 2 Platine 285XC Grey 50µm	Sample 3 Opaque blanc White 50µm	Sample 4 Steel 75C Black 50µm	
Lighting time (s) exposed side (ti1)	342	370	387	366	
Lighting time (s) non exposed side (ti2)	–	–	–	–	
Total flame height Σh (cm)	42	42	60	54	
Total duration of flaming ΣΔT	234	266	250	236	
$\varnothing = \frac{100 \times \sum H}{n \sqrt{\sum \Delta T}}$	0.8	0.7	1	1	Average = 0.9
Not flaming molten drips	No	No	No	No	
No flaming molten drips	No	No	No	No	

	Sample 1 Argent 480C Grey 100µm	Sample 2 Cendre 95XC Black 25µm	
Lighting time (s) exposed side (ti1)	492	323	
Lighting time (s) non exposed side (ti2)	–	–	
Total flame height Σh (cm)	51	51	
Total duration of flaming ΣΔT	268	258	
$\varnothing = \frac{100 \times \sum H}{n \sqrt{\sum \Delta T}}$	0.6	1	Average = 0.8
Not flaming molten drips	No	No	
No flaming molten drips	No	No	

**5. OBSERVATIONS ABOUT TESTS**

Any particular comments.

## 6. CONCLUSION AND CLASSIFICATION

In view of the results, the material with the characteristics described in the first page of this test report has the classification

**M1 TAPED ON M0 LAMINATED GLASS OF 7 mm**

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

To state the classification, the uncertainty associated with the result has not been explicitly taken into account.

## 7. CLASSIFICATION DURABILITY

APPARANTLY NOT LIMITED

Trappes, 11 December 2015



Head of the Energy, Environment  
and Combustion division

Noëlle PEDESPAN

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.