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This document cancels and replaces Classification Report N° P114423 – DE/4

CLASSIFICATION REPORT

(free translation of French test report N° P114423 – DE/5)
established according to the article 5 of the Department State Order dated on 21 November 2002.

VALIDITY 5 YEARS FROM 9 september 2013

N° P114423 - DE/6

And appendix of 4 pages

Material submitted by : MACtac EUROPE SA
Bd Kennedy
Zoning Industriel, Zone B
7060 SOIGNIES
BELGIUM

Commercial trademark : MACal 8900 Pro

Brief description :

Global composition :	PVC film, 75 µm - thick coated with 15 g/m² of acrylic adhesive.
End-use :	Medium term marking film for indoor and outdoor applications.
Mass :	Not communicated
Thickness :	(90) µm
Colour :	Various colors and mattnesses

Test report : **N° P114423 - DE/6 dated on 12 September 2013**

Type of tests : Heat radiation test.

Classification : **M1** **TAPED ON 2 mm ALUMINIUM SHEET**

VALID FOR ANY APPLICATION FOR WICH 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 appendiced Test Report **N° P114423 - DE/6**

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.

Note: It is only allowed to reproduce this unique page as an integral photocopy or the whole classification report and the annexes that contains **4 pages**.

Trappes, 12 September 2013

The Head of Fire Behaviour and Fire Safety Department

Sophie THIEFRY

Laboratoire national de métrologie et d'essais – LNE

Responsible for Test

Emilie DENIAU

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Accréditation
N° 1-0606
Portée disponible
sur www.cofrac.fr

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Appendix page 1

TEST REPORT

(free translation of French test report N° P114423 – DE/5)
Established according to the article 5 of the department State Order dated on 21 november 2002.

VALIDITY 5 YEARS FROM 9 september 2013

N° P114423 - DE/6

And appendix of 3 pages

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	:	MACtac EUROPE SA
Date of order	:	N° 16099 dated on 08/13/2013
Producer	:	MACtac EUROPE SA
Trademark (commercial reference)	:	MACal 8900 Pro
Global Composition	:	PVC film, 75 µm - thick coated with 15 g/m² of acrylic adhesive.
Characteristics attested by sponsor	:	
Thickness	:	(90) µm
Caractéristics measured by LNE	:	
Coloris	:	Various colors and mattnesses

The test report is following next page

Appendix page 2

TEST PROCEDURES AND CLASSIFICATION ON TENSE MATERIALS OR MADE SUCH (GLUED) OF ALL THICKNESS AND FLEXIBLE MATERIALS WITH THICKNESSES OVER 5 MM (EXCEPT FILTERING MEDIA)

1. MAIN TEST(S) : HEAT RADIATION TESTS (NF P 92-501 : 1995))

These test consist in submitting the samples, in clearly defined conditions, to the actions of a radiating heat source and producing : ignition of the released gases, flame propagation.
The sample (30x40 cm) inclined at 45° is submitted to a clearly defined radiation, emitted by an electric radiator, whose surface is 30 mm below the surface of the test sample. The released gases pass in contact with gas ignitors located on either side of the test sample. The duration of the test is 20 minutes.

2. COMPLEMENTARY TEST(S)

NONE

3. SAMPLES CONDITIONING

The samples submitted with standardized dimensions are kept in a conditioned enclosure (23 ± 2 °C and 50 ± 5 % RH) until their mass has stabilized. The mass is considered as stabilized when 2 succesives weighings over 24 h do not differ more than 0,1 % or 0,1g.

4. CLASSIFICATION OF MATERIALS (NFP 92-507 : 2004)

It is established according to the above test(s). Combustible materials are classified M1, M2, M3, M4.
Only the materials classified M1 without effective ignition during the heat radiant test can claim to the M0 classification.

5. DURABILITY (NFP 92-512 : 1986)

According to the NF P 92-512 this material is apparantly not the subject of durability test.

The test report is following next page

Appendix page 3

6. RESULTS

6.1. HEAT RADIATION TEST

	Sample 1 Black, shiny	Sample 2 Whinte, shiny	Sample 3 Grey, mat	Sample 4 White, shiny	
First ignition time (s) exposed side (ti1)	_	_	_	_	
First ignition time (s) non exposed side (ti2)	_	_	_	_	
Total flame height Σh (cm)	0	0	0	0	
Total burning time ΣΔT	0	0	0	0	Average =
$Q = \frac{100 \times \sum H}{n \sqrt{\sum \Delta T}}$	0	0	0	0	0
Non flaming drops fall	No	No	No	No	
Flaming drops fall	No	No	No	No	

The test report is following next page

7. OBSERVATIONS ABOUT TESTS

NONE.

Receipt of samples : 2013-08-21

End of tests : 2013-09-06

8. CONCLUSION AND CLASSIFICATION

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

M1 **TAPED ON 2 mm ALUMINIUM SHEET**

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

9. CLASSIFICATION DURABILITY

APPARANTLY NOT LIMITED

Trappes, 12 September 2013

The Head of Fire Behaviour and Fire Safety Department

Sophie THIEFRY

Laboratoire national de métrologie et d'essais LNE

Responsible for Test

Emilie DENIAU

Attention is attracted to the fact that the results obtained with the samples described in the present document are not generalizable without justification of the representativeness of samples and tests.