Accreditation
No. 1-0301

Département Sécurité-Structure-Feu
(Security-Structure- Fire Department)
Reaction to fire testing

MATERIAL REACTION TO FIRE CLASSIFICATION REPORT

According to the Decree of November 21, 2002 relative to the reaction to fire of construction and fitting-out products
Certified Pilot laboratory of the Ministry of Interior (Decree of 05/02/59, amended)

No. RA03-0480

Material presented by: The Company GLV International
P.O. box 652
RA'ANANA ISRAEL

Trade name: AF126

Brief description:

Flexible complex consisting of two laminated polyester films (12 µm) between a PVC film and an Aluminium sheet.
Total surface density: approximately 260 g/m2.
Total nominal thickness: 101 µm.
PVC film thickness: 70 µm.
Thickness of aluminium sheet: 7 µm.
Aspect: Aluminium.

Nature of the test: Electrical Burner Test with false joint following the CECMI recommendation dated December 16, 1997.

Classification: **M2**

Classification duration (Appendix 2 - Paragraph 5): unlimited a priori in view of the criteria resulting from the tests described in the enclosed test report no. RA03-0480.

This classification report certifies only the characteristics of the sample tested and it does not prejudice the characteristics of similar products. Therefore it does not represent a qualification certificate within the meaning of article L 115-27 of the Consumer Code and the Law of June 3, 1994.

Champs/Marne on: October 29, 2003

The Technical Expert Responsible for testing — Oliver BRAULT

Head of the Laboratory for Reaction to Fire Testing — Martial BONHOMME

PARIS - MARNE-LA-VALLEE - GRENOBLE-NANTES-SOPHIA ANTIPOLIS
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No. 1-0301

Test Report no. RA03-0480

PURPOSE

The tests reported in this document are intended to determine the reaction of materials in accordance with the tests indicated in the Ministerial Decree referenced below, on the reaction to fire of construction and fitting-out materials.

REFERENCE DOCUMENTS

Decree of November 21, 2002
Appendix 2 of the Decree of November 21, 2002

NATURE OF THE TEST (S)

Electrical Burner Test with false joint following the CECMI recommendation dated December 16, 1997

DATE OF TEST (S)

7 to 22 October 2003

ORIGIN AND CHARACTERISTICS OF SAMPLES

Delivery Date:	September 3, 2003
Material presented by:	The Company GLV International P.O. box 652 RA'ANANA ISRAEL
ID no.:	ES541-03-0765
Trade name(s):	AF126
Manufacturer (s):	The Company GLV International P.O. box 652 RA'ANANA ISRAEL

Attention is drawn to the fact that the results obtained with the sample covered by this test report cannot be generalized without proof of the representativeness of samples and tests.

Done at Marne-la-Vallée, on October 29, 2003

The Technical Expert Responsible for testing — Oliver BRAULT

Head of the Laboratory for Reaction to Fire Testing — Martial BONHOMME

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Test Report no. RA03-0480

BRIEF DESCRIPTION

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ADDITIONAL FEATURES

The detailed composition of the product is indicated in the file.
Measured thickness: approximately 0.1 mm.

Nominal characteristics:

Aluminium film (100 g / m ^{2}) of 70 µm thickness.
Polyester film (16.8 g / m 2) of 12 µm thickness.
Polyester film (16.8 g / m 2) of 12 µm thickness.
Aluminium film (20.9 g / m 2) of 7 µm thickness.
Acrylate based adhesive of 11.3 g / m ^{2} depending on the customer.

For the aluminium side to be tested:

In the test tubes, a cut is made in the aluminium in the longitudinal axis over a length of 180 mm from the lower edge (the width of the cut must correspond to that of a thin blade).

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ELECTRIC BURNER TEST (APPENDIX 2 § 1):

The test tube (18 x 60 cm) located over a grid is placed on a 30 ^{0} horizontal support. An incombustible cover is folded back, at the beginning of the test. The material is subjected to radiant heat and a stream of hot gases caused by an electric burner placed, along its vertical axis, at 3 cm below the test tube.
After 20 seconds a pilot flame is brought into contact with the test tube for 5 seconds. The operation is then repeated every 30 seconds for 5 minutes.
The deciding factors are: duration of ignition, destroyed distances from the lower edge of the test tube and the presence or absence of drops.

On samples ready for acceptance:

Designation	Ignition in seconds	Extinction in seconds	Perforation in seconds	Fall of drops or of burning material	Destroyed length in cm
PVC side/ Weft direction	25	76	—	no	28
PVC side / Chain direction	25	74	—	no	27
PVC side / Weft direction	25	69	—	no	25
PVC side / Chain direction	25 50	32 94	—	no	27
Side 2 / Chain direction	25 50	33 84	—	no	19
Side 2 / Weft direction	50 80 110 200	51 82 111 202	—	no	—

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