

E13*104R00*104R00*0001*00
Société Nationale de Certification et d'Homologation
L-5201 SANDWEILER (Luxembourg)
Organisme accrédité OLAS EN 45011
Accréditation N° 5/001 (Portée communiquée sur demande)



Luxcontrol^{SA}
HOMOLOGATION AUTOMOBILE

TECHNICAL REPORT

No.: LCA 54 588 002 6

Inspection concerning the

APPROVAL OF RETRO-REFLECTIVE MARKINGS FOR HEAVY AND LONG VEHICLES AND THEIR TRAILERS

performed according to

ECE-Regulation No. 104

Type: V-6700/B (METALIZED)
Manufacturer: AVERY DENNISON Reflective Products
6565 W Howard St
Niles IL 60714 (USA)

Extension -- to ECE Type Approval no.: not applicable

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5. Annex (beginning with an index)		

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RC Lux. n° B15664



1. **General**

1.1. **Test Provisions**

The inspection was carried out according to the requirements of the ECE-Regulation No. 104 including Supplement 2 to the 00 series of amendments which entered into force on December 10, 2002.

1.2. **Information concerning the vehicle type and the requested approval**

The statements below apply to the previous ECE type-approval as referred to on page 1.

1.2.1. **Numbering according to the communication concerning the approval following ECE-R104.**

[1.] Trade name or mark of the marking material:

AVERY DENNISON

[2.] Class of marking material: **C/D/E**

[3.] Name and address of manufacturer:

**AVERY DENNISON Reflective Products
6565 W Howard St
Niles IL 60714 (USA)**

[4.] If applicable, name and address of manufacturer's representative:

**PREALUX srl
Via A. Berlese, 1
I-24124 Bergamo (BG)**

[5.] Date on which the marking material was submitted for approval test:

25.07.2006

[9.] Remarks:

Not applicable

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2. Inspections and their results

2.1. Version of the tested vehicle / technical-unit / component

Following samples have been used for testing:

- device: V-6700/B (METALIZED)
- all described versions and variants

2.2. Inspection items

	Location of test:	Date of receipt of test item:	Date of test:	Inspector
Main report	LN.REM, Strada delle Cacce, 91 I-10135 Torino (I) SSOG Via G. Colombo, 79 I-20133 Milano (I)	25.07.2006	25.07.2006	P. Vinciarelli

2.2.1. Markings:

The trade name and other marks are in accordance with the requirements of item 4. of the regulation.

2.2.2. General specifications

The marking material is manufactured so that they function satisfactory and will continue to do so in normal use. It has no defect in design, which is detrimental to their efficient operation or to their maintenance.

The retro-reflective marking material is not to be easily dismantled.

The means of attachment of the marking material is fitted in a durable and stable way.

The retro-reflective marking material is easy to clean, as its surface does not exhibit any roughness or protuberances.

2.2.3. Special specifications

2.2.3.1. Shape and dimensions:

The shape and dimension of the retro-reflective marking material fulfil the requirements set in Annex 5 of the Regulation.

2.2.3.2. Colorimetric specifications:

The retro-reflective marking material can be white, red or yellow colour. Their chromaticity co-ordinates fulfil the requirements set in Annex 6 of the Regulation.

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- 2.2.3.3. Photometric specifications:
The photometric specifications of the retro-reflective marking material fulfill the requirements of the minimum value for the coefficient of retro-reflection R' set in table 1 and table 2 of Annex 7 of the Regulation.
- 2.2.3.4. Resistance to external agents:
The specimen submitted to the tests for resistance to external agents fulfilled the requirements to resistance to weathering, to corrosion, to fuels, to cleaning, to penetration of water set in the Annex 8 of the Regulation satisfactory.
- 2.2.3.5. Resistance to heat:
The specimen submitted to the tests for resistance to heat showed no distortions or curvatures nor cracking after the test procedure set in the Annex 8 of the Regulation.
- 2.3. **Remark**
- 2.3.1. **General**
Inspection results are only applicable to items, which have been tested.
- 2.4. **Test facilities**
Calibration of measuring and test equipment used to carry out the inspections is in accordance with the EEC-Directive and/or ECE-Regulation stated in 1.1. of this report and with ISO 17025.
Inspectors stated under 2.3. of this report were in charge of performing and/or evaluating the tests.
3. **Evaluation of test results**
- 3.1. **Variants and components covered**
The tests carried out cover the following variations of the marking material:
- **Retro-reflective marking material colours as stated in the information document**
- 3.2. **Remarks**
- 3.2.1. **Main report:**
Not applicable.



4. **Statement of compliance**

The inspections and measurements carried out have shown the compliance of the device described in this report and the attached Annex with the requirements of the ECE-Regulation No. 104 including Supplement 3 to the 00 series of amendments which entered into force on December 10, 2002.

Esch/Alzette, August 1st, 2006

Luxcontrol s.a.
Service Homologation-automobile

Patrizio Vinciarelli
Ingénieur-Inspecteur

Angelo Tomasini
Ingénieur-Inspecteur

Annex

MINISTERE DES TRANSPORTS

Luxembourg, le 06 septembre 2006
19-21, Boulevard Royal
L-2910 Luxembourg
Tel 478-1 - Télécopieur 241817 - Télex 1465 CIVAIR LU

REFERENCE: E13*104R00*104R00*0001*00

ANNEXES: Documentation technique

COMMUNICATION



Objet 2/:
Concerning 2/:

- DELIVRANCE D'UNE HOMOLOGATION
APPROVAL GRANTED
- EXTENSION D'HOMOLOGATION
APPROVAL EXTENDED
- REFUS D'HOMOLOGATION
APPROVAL REFUSED
- RETRAIT D'HOMOLOGATION
APPROVAL WITHDRAWN
- ARRET DEFINITIF DE LA PRODUCTION
PRODUCTION DEFINITELY DISCONTINUED

de marquage rétroréfléchissant pour véhicules lourds et longs et leur remorques, conformément au Règlement N° 104
of retro-reflective markings of heavy and long vehicles and their trailers, pursuant to Regulation N° 104

Numéro d'homologation:

Approval number:

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Marque d'homologation:

Approval mark:

C



104 R- 000001

1. Nom commercial de marquage rétroréfléchissant:

Trade name mark of the marking material:

AVERY DENNISON

type: V6700/B (METALIZED)

2. Classe de matériau de marquage 2/:

Class of the marking material 2/:

C / D / E

3. Nom et adresse du fabricant:

Name and address of the manufacturer:

AVERY DENNISON Reflective Products

6565 W Howard St
Niles IL 60714 (USA)

4. Le cas échéant, nom et adresse du représentant du fabricant:

If applicable, name and address of the manufacturer's representative:

PREALUX srl
Via A. Berlese, 1
I-24124 Bergamo (BG)

5. Date à laquelle le matériau de marquage à été soumis aux essais d'homologation:

Date on which the marking material was submitted for approval test:

25.07.2006

6. **Autorité déléguée:**
Assigned authority: *Société Nationale de Certification et d'Homologation*
L-5201 Sandweiler
- Service technique chargé des essais d'homologation:**
Technical service responsible for carrying out the approval tests: Luxcontrol SA
B.P. 349
L-4004 Esch-sur-Alzette
7. **Date du procès-verbal délivré par le service technique:**
Date of test report issued by the technical service: 01.08.2006
8. **Numéro du procès-verbal délivré par le service technique:**
Number of test report issued by the technical service: LCA 54 588 002 6
9. **Observations:**
Remarks: not applicable
10. **Homologation 2/:**
Approval 2/: accordée / refusée / étendue / retirée
granted / refused / extended / withdrawn
11. **Motif(s) de l'extension d'homologation (le cas échéant):**
Reason(s) for the extension (if applicable): not applicable
12. **Fait à:**
Place: Luxembourg
13. **Date:**
Date: 06 septembre 2006
14. **Signature:**
Signature: Pour le Ministre des Transports



[Handwritten signature]



Paul SCHMIT
Commissaire du Gouvernement

15. **La liste des documents constituant le dossier d'homologation déposés auprès du service administratif qui a délivré l'homologation, et qui est annexée à la présente communication, peut être obtenue sur demande.**

Annexed is a list of documents making up the approval file, deposited with the competent authority which granted approval; a copy can be obtained on request.

voir "INDEX DU DOSSIER D'HOMOLOGATION" ci-joint / see "INDEX TO TYPE-APPROVAL REPORT"

MINISTERE DES TRANSPORTS

Luxembourg, le 06 septembre 2006
19-21, Boulevard Royal
L-2910 Luxembourg
Tél 478-1 – Télécopieur 241817 – Télex 1465 CIVAIR LU

REFERENCE: E13*104R00*104R00*0001*00

ANNEXES: Documentation technique

Index du dossier d'homologation
Index to type-approval

	Numéro d'homologation: Approval number:	E13*104R00*104R00*0001*00
	Révision: Revision:	00
	Marque de fabrique ou de commerce: Trade name or mark:	AVERY DENNISON
	Type: Type:	V6700/B (METALIZED)
1.	Procès-verbal d'essai: Test report:	N° LCA 54 588 002 6
	- Technical report: - Index to information package:	Pages 1 to 5; Annex A, Page 1.
2.	Dossier du constructeur: Report of the manufacturer:	N°
	- Information documents:	Pages 1, 2, 3, 4 & 5.
3.	Autres documents annexés: Other documents annexed:	not applicable
4.	Date de délivrance de l'homologation initiale: Date of issue of initial type approval:	06.09.2006
5.	Date de la dernière délivrance de pages révisées: Date of last issue of revised pages:	not applicable
6.	Date de la dernière délivrance d'une homologation révisée: Date of last extension:	not applicable