



Référence: E13*104R00/09*0001*04

Annexes: - Rapport technique
- Fiche de renseignements du constructeur

Luxembourg, le 20 novembre 2019

COMMUNICATION



concernant 2/: - ~~DELIVRANCE D'UNE HOMOLOGATION~~
concerning 2/: APPROVAL GRANTED
- ~~EXTENSION D'HOMOLOGATION~~
APPROVAL EXTENDED
- ~~REFUS D'HOMOLOGATION~~
APPROVAL REFUSED
- ~~RETRAIT D'HOMOLOGATION~~
APPROVAL WITHDRAWN
- ~~ARRET DEFINITIF DE LA PRODUCTION~~

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: E13*104R00/09*0001*04
Approval number:

Marque d'homologation: refer to the manufacturer's information document
Approval mark:

1. **Nom commercial de marquage rétroréfléchissant:** AVERY DENNISON
Trade name mark of the marking material:

Dénomination(s) commerciale(s): *V-6700B series*
Commercial description(s): *V-6700B White*
V-6701B Yellow
V-6722B Red
type: V6700/B (METALIZED)

2. **Classe de matériau de marquage 2/:** C / ~~D~~ / ~~E~~
Class of the marking material 2/:

3. **Nom et adresse du fabricant:** AVERY DENNISON
Name and address of the manufacturer: 902 Feehanville Drive
Mount Prospect
IL 60056
USA

4. **Le cas échéant, nom et adresse du représentant du fabricant:** not applicable
If applicable, name and address of the manufacturer's representative:

- 5. Date à laquelle le matériau de marquage à été soumis aux essais d'homologation:** 14-18.10.2019
Date on which the marking material was submitted for approval test:
- 6. Autorité déléguée:** *Société Nationale de Certification et d'Homologation L-5201 Sandweiler*
Assigned authority:
- Service technique chargé des essais d'homologation:** Luxcontrol SA
Technical service responsible for carrying out the approval tests: B.P. 349
L-4004 Esch-sur-Alzette
- 7. Date du procès-verbal délivré par le service technique:** 24.10.2019
Date of test report issued by the technical service:
- 8. Numéro du procès-verbal délivré par le service technique:** LCA 54 0896 003 19
Number of test report issued by the technical service:
- 9. Observations:** not applicable
Remarks:
- 10. Homologation 2:** ~~accordée~~ / ~~refusée~~ / étendue / ~~retirée~~
Approval 2: ~~granted~~ / ~~refused~~ / extended / ~~withdrawn~~
- 11. Motif(s) de l'extension d'homologation (le cas échéant):** see Annex A, Page 2
Reason(s) for the extension (if applicable):

12. **Fait à:** Luxembourg
Place:
13. **Date:** 20.11.2019
Date:
14. **Signature:**
Signature:

**Pour le Ministre de la Mobilité
et des Travaux publics**



Alain DISIVISCOUR
Conseiller

Pour la SNCH




Laurent LINDEN
Directeur opérationnel



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"



Référence: E13*104R00/09*0001*04

Annexes: - Rapport technique
- Fiche de renseignements du constructeur

Luxembourg, le 20 novembre 2019

Index du dossier d'homologation

Index to type-approval report

| | | |
|----|--|------------------------|
| | Numéro d'homologation: Approval number: | E13*104R00/09*0001*04 |
| | 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 0896 003 19 |
| | - Technical report: | Pages 1 to 6 |
| | - Index to information package: | Annex A, Pages 1, 2 |
| 2. | Dossier du constructeur: Report of the manufacturer: | N° 0896 003 19 |
| | - Information folder: | Annex B, Pages 1 to 11 |
| 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: | 20.11.2019 |

TECHNICAL REPORT

No.: LCA 54 0896 003 19

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**
902 Feehanville Drive
Mount Prospect
IL 60056
USA

Extension 04
to ECE Type Approval no.: E13*104R00*104R00*0001*00

Index:

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| 1. General | Page | 2 |
| 2. Inspections and their results | Page | 3 |
| 3. Evaluation of test results | Page | 5 |
| 4. Statement of compliance | Page | 6 |
| Annex (beginning with an index) | | |

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■ **Luxcontrol SA**

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IBAN: LU48 0026 1824 1543 2600
BIC: BILLULL



1. **General**

1.1. **Test Provisions**

The inspection was carried out according to the requirements of the ECE-Regulation No. 104 including Supplement 9 to the 00 series of amendments.

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:

Trade mark: AVERY DENNISON
Commercial description: V-6700B series
V-6700B White
V-6701B Yellow
V-6722B Red

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

[3.] Name and address of manufacturer:

AVERY DENNISON
902 Feehanville Drive
Mount Prospect
IL 60056
USA

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

not applicable

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

14-18 Oct 2019

[9.] Remarks:

Not applicable

...



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 | I.N.RI.M. 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 |
| Extension 1 | Luxcontrol s.a. L – 4004 Esch/Alzette | june 2012 | 4 june 2012 | A. Tomasini |
| Extension 2 | Luxcontrol s.a. L – 4004 Esch/Alzette | Jan 2014 | 7 jan 2014 | A. Tomasini |
| Extension 3 | Luxcontrol s.a. L – 4004 Esch/Alzette | September 2015 | 22 sept 2015 | A. Tomasini |
| Extension 4 | Eurolens Via Bergamo 2 I – Paderno Dugnano (MI) | September 2019 | 14 - 18 Oct 2019 | A. Tomasini |

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.

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 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.

3.2.2. Extension 1:

Deleted:

- Representative of the manufacturer (Prealux srl)

Added:

- Commercial descriptions
- Custom Logo (optional)

Updated

- Supplement 6 of ECE R104.00

3.2.3. Extension 2:

Updated:

- Custom Logo (optional)

3.2.4. Extension 3:

Added:

- Shape of Contour marking (optional)

3.2.5. Extension 4:

For details see Annex A of this report.

New tests have been made to verify the conformity of the product

...



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 9 to the 00 series of amendments.

Esch/Alzette, October 24, 2019

Luxcontrol s.a.
Service Homologation-automobile

Angelo Tomasini
Ingénieur-Inspecteur

Max Flammang
Ingénieur-Inspecteur

Annex



Index to the information package, including a summary in chronological order, concerning extensions and/or amendments

EC type-approval No.: E13*104R00*104R00*0001*00

Main Report

Technical Report No.: LCA 54 588 002 6 Pages 1 to 5

Composition of the Annex:

A: Index Page 1
B: Information folder Pages 1 to 5

Index to the information folder:

- Manufacturer's information document (pages 1 to 5)
-

Extension 01

Technical Report No.: LCA 54 0896 002 12 Pages 1 to 6

Composition of the Annex:

A: Index Page 1
B: Information folder
Deleted all
Added Pages 1 to 10

Contents of the extension

Deleted:

- Representative of the manufacturer (Prealux srl)

Added:

- Commercial descriptions
- Custom Logo (optional)

Updated

- Supplement 6 of ECE R104.00

Index to the information folder:

- Manufacturer's information document (pages 1 to 10)
-



Extension 02

Technical Report No.: LCA 54 0896 001 14 Pages 1 to 6

Composition of the Annex:

A: Index Page 1 to 2

B: Information folder
Replaced Page 6 to 9

Contents of the extension

Updated:

- Custom Logo (optional)

Index to the information folder:

- Manufacturer's information document (pages 1 to 10)
-

Extension 03

Technical Report No.: LCA 54 0896 001 15 Pages 1 to 6

Composition of the Annex:

A: Index Page 1 to 2

B: Information folder
added Page 11

Contents of the extension

Updated:

- New shape of Contour marking (optional)

Index to the information folder:

- Manufacturer's information document (pages 1 to 11)
-

Extension 04

Technical Report No.: LCA 54 0896 003 19 Pages 1 to 6

Composition of the Annex:

A: Index Page 1 to 2

B: Information folder
replaced Page 1

Contents of the extension

Updated:

- Name and Address of manufacturer
- Supplement 9 of R104.00

Index to the information folder:

- Manufacturer's information document (pages 1 to 11)
-



Information document concerning the approval of retro-reflective markings for vehicles of Category M, N and O

[] Numbering according to the communication concerning the approval following ECE-R104.

- [1.] Trade name or mark of the marking material:
Trade mark: AVERY DENNISON
Commercial description: V-6700B series
V-6700B White
V-6701B Yellow
V-6722B Red
- [2.] Class of marking material: C/D/E
- [3.] Name and address of manufacturer:
AVERY DENNISON
902 Feehanville Drive
Mount Prospect
IL 60056
USA
- [4.] If applicable, name and address of manufacturer's representative:
Not applicable
- [9.] Approval marking:
See Product Data Sheet