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**COUNCIL DIRECTIVE 92/22/EEC**  
**of 31 March 1992**  
**on safety glazing and glazing materials on motor vehicles and their trailers**

(OJ L 129, 14.5.1992, p. 11)

Amended by:

	Official Journal		
	No	page	date
► <b><u>M1</u></b> Commission Directive 2001/92/EC of 30 October 2001	L 291	24	8.11.2001

Amended by:

► <b><u>A1</u></b> Act of Accession of Austria, Sweden and Finland	C 241	21	29.8.1994
(adapted by Council Decision 95/1/EC, Euratom, ECSC)	L 1	1	1.1.1995



**COUNCIL DIRECTIVE 92/22/EEC**  
**of 31 March 1992**

**on safety glazing and glazing materials on motor vehicles and their trailers**

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 100a thereof,

Having regard to the proposal from the Commission<sup>(1)</sup>,

In cooperation with the European Parliament<sup>(2)</sup>,

Having regard to the opinion of the Economic and Social Committee<sup>(3)</sup>,

Whereas measures should be adopted with the aim of progressively establishing the internal market over a period expiring on 31 December 1992; whereas the internal market comprises an area without internal frontiers in which the free movement of goods, persons, services and capital is ensured;

Whereas the total-harmonization method will be essential in order fully to achieve the single market;

Whereas this method will have to be used at the time of the revision of the entire EEC type-approval procedure, taking account of the spirit of the Council resolution of 7 May 1985 concerning a new approach to the question of technical harmonization and standardization;

Whereas the requirements relating to safety glazing differ from one Member State to another; whereas it is consequently necessary for the same requirements to be adopted by all of the Member States, either in addition to or in place of the existing rules, in order, in particular, to permit implementation, for each type of vehicle, of the EEC type-approval procedure covered by Council Directive 70/156/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the type-approval of motor vehicles and their trailers<sup>(4)</sup>, as last amended by Directive 87/403/EEC<sup>(5)</sup>;

Whereas any rules on safety glazing shall contain not only requirements relating to its structure but also to its fitting to vehicles;

Whereas by means of a harmonized procedure for the component type-approval of safety glazing, each Member State shall be able to confirm compliance with common requirements relating to manufacture and testing and to inform the other Member States of any such confirmation by forwarding a copy of the component type-approval certificate drawn up for each type of safety glazing; whereas the affixing of an EEC component type-approval mark to any type of safety glazing that conforms to the type that has been component type-approved means that the official testing of that type of glazing in other Member States is no longer justified;

Whereas the safety aspect of windscreens is especially important since, more than in the case of other types of glazing, they are likely to be subjected to violent impact either as a result of collisions or where there are external shocks and can thus be the cause of serious bodily injury; whereas, while aiming at the approximation of the laws of the Member States, the differences between which raise barriers to trade, the solution to be adopted must take account of the safety requirements of road traffic and the need to improve same,

<sup>(1)</sup> OJ No C 95, 12. 4. 1990, p. 1.

<sup>(2)</sup> OJ No C 284, 12. 11. 1990, p. 80 and Decision of 12. 2. 1992 (not yet published in the Official Journal).

<sup>(3)</sup> OJ No C 225, 10. 9. 1990, p. 9.

<sup>(4)</sup> OJ No L 42, 23. 2. 1970, p. 1.

<sup>(5)</sup> OJ No L 220, 8. 8. 1987, p. 44.

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HAS ADOPTED THIS DIRECTIVE:

*Article 1***▼M1**

1. Member States shall grant EC type-approval to any safety glazing and glazing materials for motor vehicles and their trailers that meet the structural and testing requirements set out in the Annexes.

**▼B**

2. Member States shall grant whole-vehicle type approval to any vehicle that complies with the fitting requirements laid down in Annex III.

3. The Member State which has granted EEC component type-approval shall take the necessary measures to verify, insofar as is necessary and if need be in cooperation with the competent authorities of the other Member States, that production models conform to the approved type.

*Article 2***▼M1**

All applications for EC component type-approval shall be made by the manufacturer or his authorised representative in a Member State. The Member States shall issue to the manufacturer or to his authorised representative an EC component type-approval mark conforming to the model set out in Annex II A, for each type of safety glazing and each glazing material for motor vehicles and their trailers that they type-approve pursuant to Article 1.

**▼B**

Member States shall take all necessary measures to prevent the use of any marks liable to create confusion between items of safety glazing that have already been component type-approved pursuant to Article 1.

*Article 3*

The competent authorities in each Member State shall, within one month, send to the competent authorities of the other Member States a copy of the component type-approval certificate drawn up for each type of safety glazing and with regard to its fitting, for each type of vehicle to which they grant whole-vehicle type-approval.

*Article 4*

No Member State may prohibit the marketing or use of safety glazing on grounds relating to its construction where that glazing bears the EEC component type-approval mark.

**▼M1**

The competent authorities of the Member States shall inform each other, by means of the procedure specified in Article 4(6) of Directive 70/156/EEC, of each component type-approval which they have granted, refused or withdrawn pursuant to this Directive.

**▼B***Article 5*

1. If the Member State which has granted EEC component type-approval finds that a number of items of safety glazing bearing the same component type-approval mark do not conform to the approved type, it shall take the necessary measures to ensure that production models do so conform. The competent authorities of that State shall advise those of the other Member States of the measures taken, which may, where necessary, extend to withdrawal of EEC component type-approval. The said authorities shall take like measures if they are informed by the competent authorities of another Member State of such failure to conform.

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2. The competent authorities of the Member States shall inform each other, within one month, of any withdrawal of EEC component type-approval, and of the reasons for such a measure.
3. If the Member State which has granted EEC component type-approval disputes the failure to conform notified to it, the Member States concerned shall endeavour to settle the dispute. The Community shall be kept informed and shall, where necessary, hold appropriate consultations for the purpose of reaching a settlement.

*Article 6*

Any decision taken pursuant to the provisions adopted in implementation of this Directive to refuse or withdraw component type-approval, or prohibit sale and use, shall state in detail the reasons on which it is based. Such decision shall be notified to the party concerned, who shall at the same time be informed of the remedies available to him under the laws in force in the Member States and of the time-limits allowed for the exercise of such remedies.

*Article 7*

No Member State may refuse EEC whole-vehicle type-approval or national type-approval of a type of vehicle, or refuse or prohibit the sale, entry into service or use of a vehicle, on grounds relating to its safety glazing if this bears the EEC component type-approval mark and if it has been fitted in accordance with the requirements set out in Annex III.

**▼M1***Article 8*

For the purposes of this Directive, 'vehicle' means any motor vehicle intended for use on the road, with or without bodywork, having at least four wheels and a maximum design speed exceeding 25 km/h, and its trailers, with the exception of vehicles which run on rails, agricultural and forestry tractors, and mobile machinery.

**▼B***Article 9*

Any amendments necessary to adapt the requirements of the Annexes to technical progress shall be adopted in accordance with the procedure laid down in Article 13 of Directive 70/156/EEC.

*Article 10*

1. Member States shall adopt and publish the provisions necessary to comply with this Directive before 1 July 1992 and shall forthwith inform the Commission thereof.

When Member States adopt these measures, they shall contain a reference to this Directive or shall be accompanied by such reference on the occasion of their official publication. The methods of making such a reference shall be laid down by the Member States.

They shall apply these provisions from 1 October 1992.

2. Member States shall communicate to the Commission the texts of the main provisions of national law which they adopt in the field covered by this Directive.

*Article 11*

This Directive is addressed to the Member States.

**▼M1****LIST OF ANNEXES**

- ANNEX I: Administrative provisions for EC type-approval
- Appendix 1: Information document relating to a type of safety glazing
  - Appendix 2: EC type-approval certificate relating to a type of safety glazing
  - Appendix 3: Information document relating to a type of vehicle
  - Appendix 4: EC type-approval certificate relating to a type of vehicle
- ANNEX II: Scope and definitions
- ANNEX II A: EC component type-approval marks
- Appendix 1: Examples of component type-approval marks
- ANNEX II B: General and individual specifications, tests and technical requirements
- ANNEX III: Vehicles: Requirements concerning the fitting of windscreens, and of glazing other than windscreens, to vehicles

## ▼M1

## ANNEX I

**Administrative provisions for EC type-approval**

1. APPLICATION FOR EC COMPONENT TYPE-APPROVAL
  - 1.1. All applications under Article 3(4) of Directive 70/156/EEC for glazing type-approval are to be submitted by the safety glazing manufacturer.
  - 1.2. The model information document is reproduced in Appendix 1 to this Annex.
  - 1.3. The technical department responsible for conducting the type-approval tests must be provided with:
    - 1.3.1. a sufficient number of test pieces or samples of the finished glass panes of the models considered, where necessary the number being determined by agreement with the technical department responsible for conducting the tests.
2. APPLICATION FOR EC VEHICLE TYPE-APPROVAL
  - 2.1. All applications under Article 3(4) of Directive 70/156/EEC for vehicle type-approval with regard to safety glazing are to be submitted by the vehicle manufacturer.
  - 2.2. The model information document is reproduced in Appendix 3 to this Annex.
  - 2.3. The technical department responsible for conducting the type-approval tests must be provided with:
    - 2.3.1. a vehicle representative of the type, the vehicle being if necessary determined by agreement with the technical department responsible for conducting the tests.
3. GRANTING OF EC SAFETY GLAZING OR VEHICLE TYPE-APPROVAL
  - 3.1. Once the relevant requirements have been met, EC type-approval as indicated in Article 4(3) and, where appropriate, in Article 4(4) of Directive 70/156/EEC shall be granted.
  - 3.2. The model EC type-approval certificate and its addenda are reproduced in:
    - Appendix 2 to this Annex in respect of applications under point 1.1,
    - Appendix 4 to this Annex in respect of applications under point 2.1.
  - 3.3. A type-approval number in accordance with Annex VII to Directive 70/156/EEC is assigned to each safety glazing or vehicle type. The same Member State must not assign the same number to another glazing or vehicle type.
4. TYPE MODIFICATIONS AND AMENDMENTS TO APPROVALS
  - 4.1. Where type modifications are made to the type approved under this Directive, the provisions of Article 5 of Directive 70/156/EEC shall apply.
5. CONFORMITY OF PRODUCTION
  - 5.1. Measures to ensure conformity of production must be taken in accordance with the provisions laid down in Article 10 of Directive 70/156/EEC.

▼ **M1***Appendix 1***Information document No ... relating to EC type-approval of safety glazing**

Directive 92/22/EEC, as amended by Commission Directive 2001/92/EC

The following information, if applicable, must be supplied in triplicate and must include a list of contents. Any drawings must be supplied in appropriate scale and in sufficient detail on size A4 or on a folder of A4 format. Photographs, if any, must show sufficient detail.

0. GENERAL
- 0.1. Manufacturer's (registered) trademark(s): .....
- 0.2. Type: .....
- 0.2.1. Commercial description (if applicable): .....
- 0.3. Means of identification of the type, if indicated on the pane <sup>(1)</sup>: .....
- 0.4. Category of vehicle <sup>(2)</sup>: .....
- 0.5. Name and address of manufacturer: .....
- 0.7. Location of and method of affixing the EC type-approval mark: .....
- 0.8. Address(es) of the production plant(s): .....
1. WINDSCREEN AND OTHER GLAZING
- Drawing(s) in sufficient detail to permit identification of the type of the device and showing:
- 1.1. *For toughened glazing other than windscreens*
- 1.1.1. the maximum area: .....
- 1.1.2. the smallest angle between two adjacent sides of the glass pane: .....
- 1.1.3. the maximum height of segment, if any: .....
- 1.2. *In the case of windscreens: a scale plan, either full-scale or, where appropriate, 1/10, for vehicles other than those in category M1, or a detailed drawing showing:*
- 1.2.1. the position of the windscreen in relation to the "R" point on the driver's seat where appropriate: .....
- 1.2.2. the rake angle of the windscreen: .....
- 1.2.3. the rake angle of the seat backrest, where appropriate: .....
- 1.2.4. the position and size of the zones in which the optical qualities are checked <sup>(3)</sup>: .....
- 1.2.5. the developed area of windscreen: .....
- 1.2.6. the maximum height of segment of the windscreen: .....
- 1.2.7. the radius of curvature of the windscreen: .....
- 1.2.8. a list of the models of the vehicles for which component type-approval is sought, giving the name of the vehicle manufacturers and the type and category of vehicle: .....

<sup>(1)</sup> Where the means of identification of the type include characters that do not relate to the description of the vehicle types, components or separate technical units referred to in this information document, these characters should be replaced in the documentation by a question mark (?) (example: ABC??123??).

<sup>(2)</sup> Within the meaning of Annex II A to Directive 70/156/EEC.

<sup>(3)</sup> Certain "wraparound" windscreens may feature notional roof uprights, in which case the latter should be indicated by means of screen printing.

▼ **M1**

1.3. *For double glazing*

- 1.3.1. the type of each individual glass pane: .....
- 1.3.2. the type of bonding (organic, glass or glass-metal): .....
- 1.3.3. the nominal thickness of the gap between the two glass panes: .....

1.4. *Material used*

- 1.4.1. Nature of the material(s): .....
- 1.4.2. Colouring of interlayer(s): .....
- 1.4.3. Colouring of plastic coating(s): .....
- 1.4.4. Colouring of the glass: .....
- 1.4.5. Conductors incorporated: .....
- 1.4.6. Anti-glare strips: .....
- 1.4.7. Chemical name of the plastic: .....
- 1.4.8. Colouring of the plastic: .....
- 1.4.9. Manufacturing process (plastic): .....



▼ **M1**

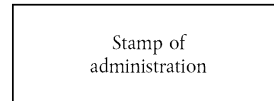
*Appendix 2*

**EC type-approval certificates**

**MODEL**

(maximum format: A4 (210 × 297 mm))

**EC TYPE-APPROVAL CERTIFICATE**



Notice concerning:

- type approval <sup>(1)</sup>
- extension of type-approval <sup>(1)</sup>
- refusal of type approval <sup>(1)</sup>
- withdrawal of type approval <sup>(1)</sup>

for a type of vehicle/component/separate technical unit <sup>(1)</sup> pursuant to Directive 92/22/EEC, as amended by Directive 2001/92/EC.

Type-approval No: .....

Reason for extension: .....

**SECTION I**

0.1. Manufacturer's (registered) trademark(s): .....

0.2. Type: .....

0.3. Means of identification of the type, if indicated, on the vehicle/component/separate technical unit <sup>(1)</sup>: .....

0.4. Category of vehicle <sup>(2)</sup>: .....

0.5. Name and address of manufacturer: .....

0.7. In the case of components and separate technical units, location and method of affixing of the EC type-approval mark: .....

0.8. Address(es) of the production plant(s): .....

**SECTION II**

1. Additional information: see addendum

2. Technical department responsible for conducting the tests: .....

3. Date of test report: .....

4. Number of test report: .....

5. Observations (if applicable): see addendum

6. Place: .....

7. Date: .....

8. Signature: .....

9. The index to the information package submitted to the competent authorities, which is obtainable on request, is enclosed herewith.

<sup>(1)</sup> Delete as appropriate.

<sup>(2)</sup> Within the meaning of Annex II A to Directive 70/156/EEC.

**▼M1**

*Addendum 1 to EC type-approval certificate No ...*

concerning the EC type-approval of a type of windscreen pursuant to Directive 92/22/EEC, as amended by Directive 2001/92/EC

**LAMINATED-GLASS WINDSCREENS**

**(ordinary, treated or plastic-coated)**

**1. Additional information**1.1. *Principal characteristics*

- Nominal thickness of windscreen: .....
- Number of layers of glass: .....
- Number of interlayers: .....
- Nominal thickness of interlayer(s): .....
- Nature and type of interlayer(s): .....
- Nature and type of plastic coating(s): .....
- Special treatment of glass (YES/NO): .....

1.2. *Secondary characteristics*

- Nature of material (polished glass, float glass, sheet glass): .....
- Colouring of glass (colourless/tinted): .....
- Colouring of interlayer (total/partial): .....
- Colouring of plastic coating(s): .....
- Conductors incorporated (YES/NO): .....
- Anti-glare strips incorporated (YES/NO): .....
- Colouring of coating: .....

**5. Remarks**

.....  
 .....  
 .....

5.1. *Documents attached:* List of windscreens (see addendum 7).

**▼M1**

Addendum 2 to EC type-approval certificate No ...

concerning the EC type-approval of a type of windscreen pursuant to Directive 92/22/EEC, as amended by Directive 2001/92/EC

**GLASS-PLASTICS WINDSCREENS****1. Additional information**1.1. *Principal characteristics*

- Shape category: .....
- Nominal thickness of windscreen: .....
- Nominal thickness of glass: .....
- Nominal thickness of plastic layer(s) acting as interlayer(s): .....
- Number of layers of plastic: .....
- Nature and type of plastic layer(s) acting as interlayer(s): .....
- Nature and type of outer plastic layer: .....
- Special treatment of glass (YES/NO): .....

1.2. *Secondary characteristics*

- Nature of material (polished glass, float glass, sheet glass): .....
- Colouring of plastic layer(s) (total/partial): .....
- Colouring of the glass: .....
- Conductors incorporated (YES/NO): .....
- Anti-glare strips incorporated (YES/NO): .....

**5. Remarks**

.....  
 .....  
 .....

5.1. *Documents attached:* List of windscreens (see addendum 7).

**▼M1**

Addendum 3 to EC type-approval certificate No ...

concerning the EC type-approval of a type of windscreen pursuant to Directive 92/22/EEC, as amended by Directive 2001/92/EC

**UNIFORMLY TOUGHENED GLASS PANES****1. Additional information**1.1. *Principal characteristics*

- Shape category: .....
- Nature of toughening process: .....
- Thickness category: .....
- Nature and type of plastic coating(s): .....

1.2. *Secondary characteristics*

- Nature of material (polished glass, float glass, sheet glass): .....
- Colouring of the glass: .....
- Colouring of plastic coating(s): .....
- Conductors incorporated (YES/NO): .....
- Anti-glare strips incorporated (YES/NO): .....

1.3. *Criteria component type-approved*

- Maximum area (flat glass): .....
- Smallest angle: .....
- Maximum developed area (curved glass): .....
- Maximum height of segment: .....

**5. Remarks**

.....  
 .....  
 .....

**▼M1**

*Addendum 4 to EC type-approval certificate No ...*

concerning the EC type-approval of a type of windscreen pursuant to Directive 92/22/EEC, as amended by Directive 2001/92/EC

**LAMINATED GLASS PANES OTHER THAN WINDSCREENS****1. Additional information**1.1. *Principal characteristics*

- Thickness category: .....
- Number of layers of glass: .....
- Number of interlayers: .....
- Nominal thickness of interlayer(s): .....
- Nature and type of interlayer(s): .....
- Thickness of plastic coating(s): .....
- Nature and type of plastic coating(s): .....
- Special treatment of glass (YES/NO): .....

1.2. *Secondary characteristics*

- Nature of material (polished glass, float glass, sheet glass): .....
- Colouring of interlayer (total/partial): .....
- Colouring of the glass: .....
- Colouring of plastic coating(s): .....
- Conductors incorporated (YES/NO): .....
- Anti-glare strips incorporated (YES/NO): .....

**5. Remarks**

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 .....

**▼ M1**

*Addendum 5 to EC type-approval certificate No ...*

concerning the EC type-approval of a type of windscreen pursuant to Directive 92/22/EEC, as amended by Directive 2001/92/EC

**GLASS PLASTIC PANES OTHER THAN WINDSCREENS****1. Additional information**1.1. *Principal characteristics*

- Thickness category of the pane: .....
- Nominal thickness of the glass component: .....
- Special treatment of the glass (YES/NO): .....
- Number of layers of plastic: .....
- Nominal thickness of plastic layer(s) acting as interlayer(s): .....
- Nature and type of plastic layer(s) acting as interlayer(s): .....
- Nature and type of outer plastic layer: .....

1.2. *Secondary characteristics*

- Nature of material (polished glass, float glass, sheet glass): .....
- Colouring of glass (colourless/tinted): .....
- Colouring of plastic layer(s) (total/partial): .....
- Conductors incorporated (YES/NO): .....
- Anti-glare strips incorporated (YES/NO): .....

**5. Remarks**

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 .....  
 .....

▼ **M1**

*Addendum 6 to EC type-approval certificate No ...*

concerning the EC type-approval of a type of windscreen pursuant to Directive 92/22/EEC, as amended by Directive 2001/92/EC

**DOUBLE-GLAZED UNITS**

**1. Additional information**

1.1. *Principal characteristics*

- Composition of double-glazed units (symmetrical/asymmetrical): .....
- Nominal thickness of gap: .....
- Method of assembly: .....
- Type of each pane: .....

1.2. *Documents attached*

- A form for both panes in a symmetrical double-glazed unit in accordance with the Annex under which they were tested or component type-approved.
- A form for each pane in an asymmetrical double-glazed unit in accordance with the Annexes under which they were tested or component type-approved.

**5. Remarks**

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.....

**▼ M1**

*Addendum 7 to EC type-approval certificate No ...*

concerning the EC type-approval of a type of windscreen pursuant to Directive 92/22/EEC, as amended by Directive 2001/92/EC

**CONTENTS OF THE LIST OF WINDSCREENS**

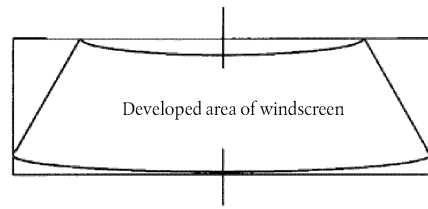
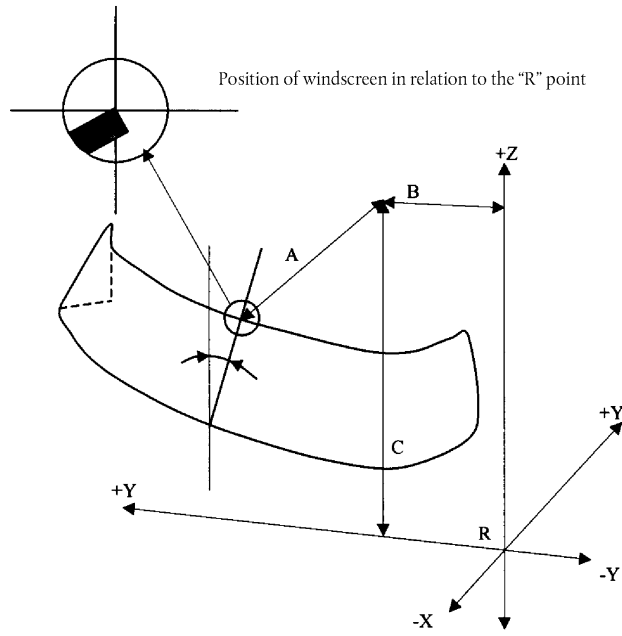
The following information, as a minimum, shall be supplied for each of the windscreens covered by this component type-approval:

- vehicle manufacturer: .....
- type of vehicle: .....
- category of vehicle: .....
- developed area (F): .....
- height of segment (h): .....
- curvature (r): .....
- installed angle ( $\alpha$ ): .....
- back rest angle ( $\beta$ ): .....
- coordinates of R-point (A, B, C) in relation to the mid-point of the upper edge of the windscreen: .....

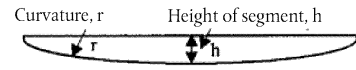
Description of the F parameter of the windscreen



▼ **M1**



Description of the r and h parameters of the windscreen



**▼ M1**

*Addendum 8 to EC type-approval certificate No ...*

concerning the EC type-approval of a type of rigid plastic glazing pursuant to Directive 92/22/EEC, as amended by Directive 2001/92/EC

**RIGID PLASTIC GLAZING OTHER THAN WINDSCREENS****1. Additional information**1.1. *Principal characteristics*

- Nominal thickness <sup>(1)</sup>: .....
- Shape and dimension: .....
- Category allocated to the material by the manufacturer: .....
- Chemical name of the material: .....
- Manufacturing process: .....
- Colouring: .....
- Nature of the surface coating: .....

1.2. *Secondary characteristics*

Conductors incorporated (YES/NO): .....

**5. Remarks**

.....  
 .....  
 .....

<sup>(1)</sup> With a tolerance of 10 % for the extruded plastic glazing and for the other materials, the tolerance is equal (in mm) to  $\pm (0,4 \text{ mm} + 0,1 e)$  where e is equal to the nominal thickness in mm.

▼ **M1**

*Addendum 9 to EC type-approval certificate No ...*

concerning the EC type-approval of a type of flexible plastic glazing pursuant to Directive 92/22/EEC, as amended by Directive 2001/92/EC

**FLEXIBLE PLASTIC GLAZING OTHER THAN WINDSCREENS**

**1. Additional information**

1.1. *Principal characteristics*

- Nominal thickness <sup>(1)</sup>: .....
- Category allocated to the material by the manufacturer: .....
- Chemical name of the material: .....
- Manufacturing process: .....
- Colouring: .....
- Nature of the surface coating: .....

1.2. *Secondary characteristics*

No secondary characteristics.

**5. Remarks**

.....  
.....  
.....

<sup>(1)</sup> With a tolerance equal (in mm) to  $\pm (0,1 \text{ mm} + 0,1 e)$  where e is equal to the nominal thickness in mm.

▼ **M1**

*Addendum 10 to EC type-approval certificate No ...*

concerning the EC type-approval of a type of rigid plastic double glazing pursuant to Directive 92/22/EEC, as amended by Directive 2001/92/EC

**RIGID PLASTIC DOUBLE-GLAZED UNITS**

**1. Additional information**

1.1. *Principal characteristics*

- Nominal thickness of each pane: .....
- Nominal thickness of gap: .....
- Category allocated by the manufacturer to the material used in each pane: .....
- Chemical name of the material used in each pane: .....
- Manufacturing process: .....
- Colouring: .....
- Nature of the surface coating: .....

1.2. *Secondary characteristics*

No secondary characteristics.

**5. Remarks**

.....  
.....  
.....

▼ **M1***Appendix 3***Information document No ...**

pursuant to Directive 92/22/EEC, as amended by Directive 2001/92/EC, pursuant to Annex I to Directive 70/156/EEC, on EC type-approval of a type of vehicle

The following information, if applicable, must be supplied in triplicate and must include a list of contents. Any drawings must be supplied in appropriate scale and in sufficient detail on size A4 or on a folder of A4 format. Photographs, if any, must show sufficient detail.

If the systems, components or separate technical units have electronic controls, information concerning their performance must be supplied by the manufacturer of these electronic devices.

- 0. GENERAL
  - 0.1. Manufacturer's (registered) trademark: .....
  - 0.2. Type: .....
  - 0.3. Means of identification of the type, if indicated, on the vehicle/component/separate technical unit <sup>(1)</sup> <sup>(2)</sup>: .....
  - 0.4. Category of vehicle <sup>(3)</sup>: .....
  - 0.5. Name and address of manufacturer: .....
  - 0.7. In the case of components and separate technical units, location and method of affixing of the EC type-approval mark: .....
  - 0.8. Address(es) of the production plant(s): .....
- 1. WINDSCREENS AND OTHER GLAZING
  - Sufficiently detailed photographs and/or drawings of a representative vehicle:
- 9. BODYWORK
  - 9.1. Type of bodywork: .....
  - 9.5. Windscreens and other glazing
    - 9.5.1. Windscreens
      - 9.5.1.1. Materials used: .....
      - 9.5.1.2. Method of assembly: .....
      - 9.5.1.3. Rake angle: .....
      - 9.5.1.4. Type-approval No(s): .....
      - 9.5.1.5. Windscreen accessories and the position in which they are fitted together with a brief description of any electrical/electronic components involved: .....
    - 9.5.2. Other glazing
      - 9.5.2.1. Materials used: .....
      - 9.5.2.2. Type-approval No(s): .....
      - 9.5.2.3. Brief description of any electrical/electronic components in the window-opening mechanism: .....

<sup>(1)</sup> Delete whichever is inapplicable.

<sup>(2)</sup> Where the means of identification of the type include characters that do not relate to the description of the vehicle types, components or separate technical units referred to in this information document, these characters should be replaced in the documentation by a question mark (?) (example: ABC??123??).

<sup>(3)</sup> Within the meaning of Annex II A to Directive 70/156/EEC.

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9.5.3. Opening roof glazing

9.5.3.1. Materials used: .....

9.5.3.2. Type-approval No(s): .....

9.5.4. Other glazing

9.5.4.1. Materials used: .....

9.5.4.2. Type-approval No(s): .....

▼ **M1***Appendix 4***MODEL**

(maximum format: A4 (210 × 297 mm))

**EC TYPE-APPROVAL CERTIFICATE**

Stamp of administration
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Notice concerning:

- type approval <sup>(1)</sup>
- extension of type-approval <sup>(1)</sup>
- refusal of type approval <sup>(1)</sup>
- withdrawal of type approval <sup>(1)</sup>

for a type of vehicle/component/separate technical unit <sup>(1)</sup> pursuant to Directive 92/22/EEC, as amended by Directive 2001/92/EC.

Type-approval No: .....

Reason for extension: .....

## SECTION I

- 0.1. Make (trade name of manufacturer): .....
- 0.2. Type: .....
- 0.3. Means of identification of the type, if indicated, on the vehicle/component/separate technical unit <sup>(1)</sup>: .....
- 0.3.1. Location of the making: .....
- 0.4. Category <sup>(2)</sup>: .....
- 0.5. Name and address of manufacturer: .....
- 0.7. In the case of components and separate technical units, location and method of affixing of the EC type-approval mark:  
.....
- 0.8. Address(es) of assembly plant(s): .....

## SECTION II

1. Observations (if applicable): see addendum
2. Technical department responsible for conducting the tests: .....
3. Date of test report: .....
4. Number of test report: .....
5. Observations (if applicable): see addendum
6. Place: .....
7. Date: .....
8. Signature: .....
9. The index to the information package submitted to the competent authorities, which is obtainable on request, is enclosed herewith.

<sup>(1)</sup> Delete as appropriate.<sup>(2)</sup> Within the meaning of Annex II to Directive 70/156/EEC.

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*Addendum to EC type-approval certificate No ...*

concerning the type-approval of a vehicle pursuant to Directive 92/22/EEC, as amended by Directive 2001/92/EC

1. **Additional information**

1.1. *Description of the type of glazing used*

- 1.1.1. in the case of windcreens: .....
- 1.1.2. in the case of side windows: .....
- 1.1.3. in the case of rear windows: .....
- 1.1.4. in the case of opening roofs: .....
- 1.1.5. in the case of other glazing: .....

1.2. *“EC” component type-approval mark*

- 1.2.1. for the windscreen: .....
- 1.2.2. for the side windows: .....
- 1.2.3. for the rear windows: .....
- 1.2.4. for the opening roofs: .....
- 1.2.5. for other glazing: .....

1.3. *Windscreen accessories and the position in which they are fitted*

1.4. *The provisions governing assembly have/have not <sup>(1)</sup> been complied with*

5. **Remarks**

.....

.....

.....

\_\_\_\_\_

<sup>(1)</sup> Delete whichever is inapplicable.



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**▼M1***ANNEX II***SCOPE AND DEFINITIONS****1. Scope**

This Directive applies to safety glazing and glazing materials intended to be fitted as a windscreen or other glazing or as separating panels on motor vehicles and their trailers, and to their fitting, with the exception of glazing for lighting and light-signalling devices and for the dashboard, special glazing offering protection against attack, toughened glass and windscreens intended for vehicles used in extreme environments and having a maximum speed of 40 km/h.

**2. Definition**

The items in question are those laid down in Article 2 of Regulation No 43 of the United Nations Economic Commission for Europe, in the most recent version adopted by the European Community.

**▼M1***ANNEX II A***EC COMPONENT TYPE-APPROVAL MARKS**

1. All safety-glass panes, including the samples and test pieces submitted for component type-approval, shall bear the trade name or mark of the manufacturer. The marking shall be clearly legible, indelible and visible.
2. In addition to the items listed in point 3.3 of Annex I, symbols shall be affixed in conformity with those laid down in Regulation No 43 of the United Nations Economic Commission for Europe, in the most recent version adopted by the European Community.

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**▼M1***ANNEX II B***GENERAL AND INDIVIDUAL SPECIFICATIONS, TESTS AND TECHNICAL REQUIREMENTS**

With the exception of the provisions applicable to toughened windscreens (not covered by this Directive), the provisions governing the general and individual specifications, tests and technical requirements are those set out in Regulation No 43 of the United Nations Economic Commission for Europe, in the most recent version adopted by the European Community.

**▼B***ANNEX III***VEHICLES — REQUIREMENTS CONCERNING THE FITTING OF WINDSCREENS AND GLAZING OTHER THAN WINDSCREENS TO VEHICLES**

1. Windscreens and panes of glass other than windscreens shall be fitted in such a way that, despite the stresses to which the vehicle is submitted under normal operating conditions, they remain in position and continue to afford visibility and safety to the occupants of the vehicle.
2. For all motor vehicles in categories M and N, the following checks must be made:
  - 2.1. The windscreen bears the appropriate EEC component type-approval mark specified in item 4.4 of Annex II, followed by one of the additional symbols provided for in item 4.5.1 of Annex II.
    - 2.1.1. The windscreen is type-approved for the vehicle type on which is fitted.
    - 2.1.2. The windscreen is correctly fitted with reference to the vehicle 'R' point. This verification may be carried out either on vehicle or drawings, at the vehicle manufacturer's choice.
  - 2.2. The side and rear windows bear the appropriate EEC type-approval mark specified in item 4.4 of Annex II. Side and rear windows through which either the driver's forward direct field of view of 180° is obtained or through which the driver's indirect field of view is obtained by means of interior and exterior rear-view mirrors complying with the requirements of Directive 71/127/EEC, do not bear the additional symbol provided for in item 4.5.2 of Annex II.
  - 2.3. The opening roof glazing bears the EEC component type-approval mark specified in item 4.4 of Annex II. Opening roofs may bear the additional symbol provided in item 4.5.2 of Annex II.
  - 2.4. A check must be made that glazing, other than that indicated in item from 2.1 to 2 above (for example internal partitions), bears the EEC component type-approval mark specified in item 4.4 of Annex II followed where appropriate by the additional symbol provided for in item 4.5.2 of Annex II.
3. For all vehicles in category 0, a check must be made that glazing bears the EEC component type-approval mark specified in item 4.4 of Annex II followed where appropriate, by the additional symbol provided for in item 4.5.2 of Annex II.

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