

Correct as at 30th April 2026. It may be superseded at any time.

Extract taken from: Entry certification > Inspection and certification > Vision > Glazing

## 5-1 Glazing

### Reasons for rejection

#### Mandatory and permitted equipment

1. A windscreen that is required to be made of laminated glass is not made of laminated glass.
2. A piece of glazing fitted to a vehicle of class LA, LB1, LB2, LC, LD, LE1 or LE2 is not made of a transparent material that does not shatter.
3. A vehicle or piece of glazing does not comply with a requirement relating to mandatory or permitted equipment set out in:
  - [VIRM: In-service certification, section 5-1, general vehicles](#)
  - [VIRM: In-service certification, section 5-1, heavy vehicles](#)

#### Compliance with approved standards

4. A piece of glazing that is required to comply with an approved glazing standard did not comply, or cannot be demonstrated to have complied, with at least one of the standards listed in Table 5-1-1 at the time the vehicle was manufactured or the glazing was fitted.

#### Condition, performance and modification

5. A piece of glazing does not comply with a requirement relating to condition, performance or modification set out in:
  - [VIRM: In-service certification, section 5-1, general vehicles](#)
  - [VIRM: In-service certification, section 5-1, heavy vehicles](#)

#### Note 1

For a vehicle manufactured before 1 January 1991, a glazing marking which contains one or more of the approved trade names in Table 5-1-2 is evidence that a piece of glazing complies with an approved glazing standard.

#### Note 2

Curved scenic skylights above the cant rail, curved windows at the front and rear corners, skylights, louvres and interior partitions in omnibuses (vehicles of class MD1, MD2, MD3, MD4 and ME) are not required to comply with approved glazing standards if they are made of transparent material that does not shatter.

#### Note 3

The 35% VLT limit on rear and rear-side windows of MA class vehicles only applies to modified glazing. If the glazing is OE, unmodified, and is marked as complying with an approved standard or trade name, the glazing may be passed

even with a VLT of less than 35%.

**Note 4**

See [Technical bulletin 13](#) for an explanation of policy and requirements relating to glazing on house-trucks.

**Table 5-1-1. Approved glazing standards\***


UN-ECE Regulation no.	EEC/EC Directive	FMVSS	ADR	Japan	Others
43	92/22  2001/92	205	8	TS for window glass  JIS R3211  Article 29	BS 857  BS 5282  BS AU 178a  ANSI/SAE Z26.1  NZS 5443  AS 2080  AS/NZS 2080  SABS 1191/1193  ABG (behind driver only)

\* A piece of glazing that is required to comply with an approved glazing standard must comply with at least one of the standards listed in the table.



**Table 5-1-2. Approved trade names for glazing**

Armourfloat	Hankuk Glass Safety Heat	Plexite	Temperlite
Armourplate	Line	Safetyflex	Temperlite Santa Marina
Blindex	HMC Glass Safety Hankuk	Safety MGB (Meloplate)	Thorex Connex
Duolite Safety	TF5	Safety MGB (Melite Safety	Triplex
Duplicate Safety	HMC Glass Safety Hankuk	Plate)	Triplex Plate
Flolite	TV5	Sekurit	Tuflite
Ford Indestructo	Indestructo	Sigla	Tyneside
Ford Safety Glass	Nippon Safety	Spectrofloat Splintex	Veracetex
Ford Silver Arrow	NM Laminated Safety Glass	Sunmat	
Glacetex	FHP	Suntex Safety Glass	
	Peerless		

**Table 5-1-3. Glossary of codes for safety glass**

L =	laminated glass
LF =	laminated float
LP =	laminated plate
// or /// =	laminated when near the  mark
L.76WHP =	laminated, 0.76mm interlayer, suitable for all locations
AS1 =	laminated for use anywhere in the vehicle
A ↕ S or A ± S =	the glass in the direction of the arrow complies with the 70% light transmission requirement


**Table 5-1-4. Glossary of codes for including laminated glass**

L	laminated glass
F	float glass
P	plate glass
LF	laminated float
LP	laminated plate
/	toughened, when near the  mark
// or ///	laminated, when near the  mark
TS	toughened glass
TP	toughened plate
T	toughened or tempered
Z	zone tempered
WHP	complies with impact test (windscreen high performance laminated safety glass)
DOT	Department of Transport (USA)
AS <sub>±1</sub> or AS <sub>±2</sub>	the glass, in the direction of the arrow, complies with the 70% light transmission requirement
ANSI	American National Standards Institute
<b>FMVSS codes</b>	


AS1	for use anywhere in the vehicle
AS2	for use anywhere in the vehicle other than windscreen
AS3	for rear and rear side windows only
AS4 and AS5	for glazing not used for driver's vision (eg the rear window of heavy truck cabs or convertible tops, windows/doors in motorhome bodies, ute canopies, rear windows on buses, roof glazing etc)
<b>Glazing cut from mother sheet</b>	
L.76WHP	laminated, 0.76 mm interlayer, suitable for all locations
L.38	laminated, 0.38 mm interlayer, must not be used for windscreens
PCZ26.1	polycarbonate, meets requirements of ANSI Z26, must not be used for windscreens

**Figure 5-1-1 Approved standards markings**


New Zealand Standards



Australian Standards



British Standards



Federal Motor Vehicle Safety Standards (FMVSS)

ASI DOT 0000

↑            ↑            ↑


   number allocated by DOT

   DOT mark


ANSI Z26 compliance

NOTE: The marking may be rearranged as shown in the windscreen markings above.


Economic Commission for Europe (ECE)



Japanese Industrial Standards



South African Bureau of Standards




Glazing marked with the Allgemeine Bauartgenehmigung (ABG)


- manufacturer's trade name (e.g., Roxite), and
- approval number (e.g., ~D2406)

may be used only for glazing behind the driver.

>PMMA<



AGP1000x0600



SRE

D2307

FBJ

NOTE: The marking must have manufacturer's name (eg, Seitz) and ABG approval (eg, 111, D2307).

Figure 5-1-2. Typical laminated glazing markings

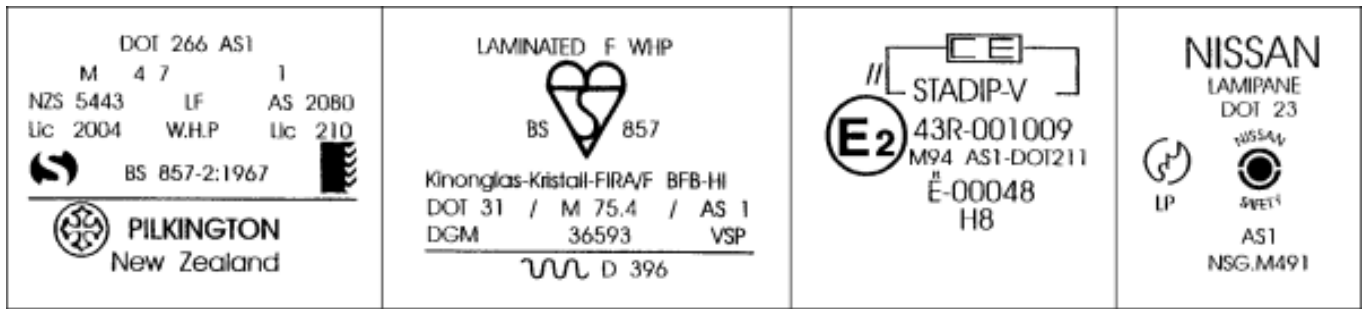
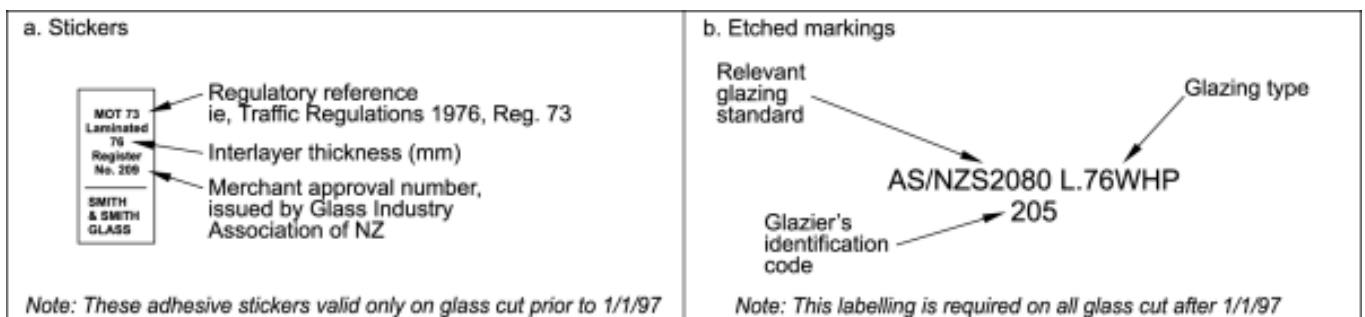


Figure 5-1-3. Typical markings required on glazing cut from mother sheet



## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Glazing, Windscreen Wipe and Wash, and Mirrors 1999](#)

### Mandatory and permitted equipment

1. Windcreens fitted to the following vehicles must be made of laminated glass:

- vehicles of class MA, MB, MC and NA manufactured on or after 1 July 1986
- vehicles of class MD1, MD2, MD3, MD4, ME, NB and NC manufactured on or after 1 July 1997
- vehicles not covered by any of the defined vehicle classes manufactured on or after 1 January 2001.

2. All glazing fitted to vehicles of class LA, LB1, LB2, LC, LD, LE1 and LE2 must be made of a transparent material that does not shatter.

3. Vehicles and glazing must also comply with the requirements relating to mandatory and permitted equipment set out in the [VIRM: In-service certification, section 5-1](#)

### Compliance with approved standards

4. Windcreens fitted to the following vehicles must comply with one or more of the approved glazing standards in Table 5-1-1:

- vehicles of group M and N manufactured on or after 1 January 1960 (Note 1)

b) vehicles not covered by any of the defined vehicle classes manufactured on or after 1 January 2001.

5. Glazing in locations other than windscreens fitted to the following vehicles must comply with one or more of the approved glazing standards in Table 5-1-1 (Note 4):

a) vehicles of group M (Note 2) and N manufactured on or after 1 February 1977 (Note 1)

b) vehicles not covered by any of the defined vehicle classes manufactured on or after 1 January 2001.

**Condition, performance and modification**

6. Glazing must comply with the requirements relating to condition, performance and modification set out in the [VIRM: In-service certification, section 5-1](#) (Note 3)