

Latest Change in Vehicle Glass Requirements
(April 2023 revision)

In Hong Kong, the requirements for safety glass in motor vehicles are stated in regulation 28 (reg.28) of Road Traffic (Construction and Maintenance of Vehicles) Regulations, Cap. 374A. The acceptable standards of safety glass are specified under reg.28(1)(a) and includes the Economic Commission for Europe (ECE) Regulation 43. At the same time, reg.28(1)(b) of Cap. 374A stipulates that all vehicle glass shall be of such transparency that it does not obscure the view of the interior of the motor vehicle.

The Transport Department conducted review on the light transmission rate (LTR) in 2008, 2009 and 2012, and the latest minimum LTR requirements are summarized below:

- (i) For all window glasses (including the front windscreen), unless otherwise specified, 70%¹ ;
- (ii) For private cars, goods vehicles, special purpose vehicles and buses fitted with external reflecting mirrors on both sides, the window glass behind the driver's compartment, 44%;
- (iii) All window glasses on upper deck of buses, 44%.

Sticking of any reflective material or film to vehicle glass contravenes reg. 28(2) of Cap 374A. If a vehicle owner wishes to add non-reflective solar film onto window glass for specific reasons, must apply to TD for exemption by filling in and returning the attached application form in person or by post. The approval requirements include:

- (i) The light transmission rates of the window glass must still meet the above requirements, with no distortion;
- (ii) The Schedule 2 of Road Traffic (Toll Tags) Regulation, Cap. 374Z has specified in which way and location the Toll Tags² must be affixed to the motor vehicle. The vehicle owner should fully comply with such requirements when adding the non-reflective solar film onto window glass;
- (iii) The non-reflective solar film added onto window glass must not interfere with the performance of any Toll Tags² regulated under Road Traffic (Toll Tags) Regulation, Cap. 374Z and the effective operation of any vehicle sensors.

Further enquiries may be made to the Vehicle Safety Enforcement Section 1st unit at Tel 3961 0310.

Vehicle Safety and Standards Division

April 2023

(Rev. 12/2024)

¹ Reduced from 75% with effect from April 2012.

² Toll Tag has the meaning given by section 6A(5) of Cap. 374 Road Traffic Ordinance i.e. means a device issued for the use in connection with a vehicle for enabling the detection of the use by the vehicle of any specified Government infrastructure in so far as it is operated without toll booths.

Application for Exemption from
Regulation 28(2) of Road Traffic (Construction and Maintenance of Vehicles) Regulations

I, _____ (Mr./Ms.) am the owner of the following vehicle :

- Make : _____
- Registration Mark : _____
- Chassis No. : _____

I would like to apply¹ for exemption of the vehicle from the Regulation 28(2) of Road Traffic (Construction and Maintenance of Vehicles) Regulations for sticking of non-reflective film on window glass.

I understand the non-reflective solar film onto window glass must fulfill the latest minimum LTR requirements. (70% for front windscreen and the side window glass in the driver's compartment, 44% for all other window glass)

Email address : _____ Telephone number : _____

Register Vehicle Owner² :

(Company chop if using company as
registered vehicle owner)

Date : _____

This application form should be completed by the registered vehicle owner and return to the below address / Email together with a copy of vehicle registration document in person, by post or by email.

(vseu1enq@td.gov.hk)

Vehicle Safety Enforcement Section 1st Unit
1/F, Transport Department Vehicle Examination Complex
18, Sai Tso Wan Road, Tsing Yi, New Territories

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¹ If this form is completed by an authorized agent, the authorization letter must be enclosed.

² The above signature/ company chop must be same as the vehicle registration document.