

# REFLOMAX GLODIAN™ VC-E7 & VC-I8

## Conspicuity Tape Rigid Grade

Technical Datasheet &  
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### Technical Datasheet

#### Description

REFLOMAX GLODIAN™ VC-E7 & VC-I8 truck rear marking is a retroreflective micro-prismatic markings designed to mark the sides and rear of vehicles for enhanced visibility and detection.

REFLOMAX GLODIAN™ VC-E7 & VC-I8 truck plank film is one type of sealing. The sealed rear marking film consists of micor-prisms, sealed and backed with a pressure sensitive adhesive and release liner. Applied to properly prepared surface, REFLOMAX GLODIAN™ VC-E7 & VC-I8 rear marking provides five year of field performance.

- Acquired ECE70 Certification from UNECE
- Acquired AIS-089 Certification from ARAI

#### Product Construction

REFLOMAX GLODIAN™ VC-E7 & VC-I8 rear marking is composed of cube corner(retroreflective microprism) and are formed by hard polymer on flexible, UV-stabilized polymeric film which applied edge sealed technology.

- Provides exceptional reflectivity at dawn, dusk, night and day
- Custom logos available to build brand identity strong

#### Adhesive

The adhesive is protected by a release liner, which shall be removed by peeling. The adhesive produces a bond such that a 25mm strip shall require a force of at least 10N(2.25 pounds), at a speed of 300mm per minute, to be removed from the substrate after a 20 minutes dwell. REFLOMAX GLODIAN™ VC-E7 & VC-I8 rear marking may be used on stainless steel when used with the correct prssure sensitive adhesive.

#### Retroreflective Performance

The values in Table C are minimum coefficients of retroreflection expressed in candelas per m2 per lux (cd.m-2 .lx-1

*The minimum Coefficient of Retroreflection(RA)*

Color	Observation Angles	Enterance Angle	R <sub>A</sub>
Yellow	0.33°(20')	5°	250
		30°	180
		40°	75
		60°	10

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### Photometrics

REFLOMAX GLODIAN™ VC-E7 & VC-I8 rear marking is available in yellow. The color shall be located in the area defined by the chromaticity coordinates and luminance factor provided in Table A, when measured in accordance with the provisions of CIE No. 15 and illuminated with the CIE standard illuminant D65 at angle of 45° to the normal (45° / 0° geometry). The measured values shall be the average of 8 readings. The test sample shall be rotated 45 degrees.

The retroreflected color (nighttime color), when illuminated with CIE standard illuminant A at an observation angle of 20' and entrance angles of  $\beta_1 = \pm 5^\circ$ ,  $\beta_2 = 0^\circ$  shall be located within the area defined by the chromaticity coordinates in below table.

#### Color Specification Limits(Daytime)

Color	Chromaticity Coordinates*								Y%
	1		2		3		4		
	x	y	x	y	x	y	x	y	
Yellow	0.545	0.454	0.487	0.423	0.427	0.483	0.465	0.534	>0.16

#### Color Specification Limits(Nighttime)

Color	Chromaticity Coordinates*							
	1		2		3		4	
	x	y	x	y	x	y	x	y
Yellow	0.585	0.385	0.610	0.390	0.520	0.480	0.505	0.465

### Application Instructions

REFLOMAX GLODIAN™ VC-E7 & VC-I8 rear marking can be applied to truck and trailers. In order to apply proper adhesion between tape and the cleand substrate, it must be installed when temperature is between 15°C and 38°C(64°F~100°F).

Before installation, all surface must be considered contaminated and must be cleaned prior to application. Wash the surface with detergent and water to remove dirt and road film. Use a clean cloth with isopropyl alcohol to wipe the surface in one direction to avoid spreading contamination. Freshly painted surfaces should be dried for at least 3 weeks and completely cured. The compatibility of the selected lacquer with the paint must be tested by the user before using the material. Self-adhesive reflective materials can only be used for dry applications. If the tensile strength of the material is low, the removal of the reflective film may be more difficult. After that immediately dry surface with a clean absorbant paper towel for better adhesion.

### Installation

1. Clear surface properly
2. Do not overlap marking.
3. Apply only on flat surface.
4. Ensure that the tape is applied without tension.
5. Installing underneath belts or buckles is not recommended.

### Shelf Life

Must store in a cool dry area, store at room temperature 18°~25°C(64°F~77°F) and 30%~50% relative humidity and must be used within 1 year after date of receipt. Store rolls in their original cartons.

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### Maintenance

Regular cleaning is recommended for maximum performance. The following cleaning methods are recommended.

- 1) Wash with sponge, cloth or soft brush using water and detergent.
- 2) Automatic truck/trailer wash or standard high-pressure hand spray:
  - Maximum Pressure : 1,200psi
  - Maximum wash temperature : 60°C(140°F)
  - Water jets must be a minimum of 30.48cm(12") from the conspicuity tape
  - Spray water jets at no greater angle than 45°

### Substrates

The application of REFLOMAX GLODIAN™ VC-E7 & VC-I8 rear marking is limited to properly prepared metal and painted metal substrates. Users are urged to carefully evaluate, under actual use conditions, any film application to other substrates. For painted surfaces follow manufacturer's recommendations for drying and curing. Failure of film caused by other substrates, materials, contamination, or improper surface preparation is not the responsibility of REFLOMAX.

### Size & Packing

Product size : 123cm(48.4") x 50YD per 1roll as standard.

Packing : 40rolls per pallet / 320 rolls per 20' container

Gross : 29kgs(63.9lb)

Weight : 31kgs(68.3lb)

### IMPORTANT NOTICE

#### General Performance Consideration

**Durability can be reduced if recommended techniques are not followed:**

- Failure to cut markings around rivets, seams and body are panels.
- Improper use of high pressure cleaning
- spillage of chemicals or solvents.
- Improper application or surface preparation.
- REFLOMAX recommended procedures are followed
- Film is applied to vertical surfaces.

Except for the limited remedy stated above, and except where prohibited by law, Reflomap will not be liable for any loss or damage arising from any Reflomap product, whether direct, indirect, special, incidental or consequential damages(including but not limited to lost profits, business or revenue in any way), regardless of the legal theory asserted including warranty, contract, negligence or strict liability.

### Warranty

REFLOMAX GLODIAN™ VC-E7(ECE-70) & VC-I8(AIS-089) series("Product") are warranted to be free of defects in materials and manufacture at the time of shipment and to meet the specifications stated in this product guidance. If the Product is proven not to have met the Warranty on its shipment date, then a buyer's exclusive remedy, and Reflomap's sole obligation, at Reflomap's option, will be a refund or replacement of the Product.

Before use, user must determine the suitability of the product for its intended use and user must assume all risks and responsibilities in this regard. All question of warranty and liability claims relating to this product are subjected to the terms of the sale subject where applicable to the prevailing law.

No warranty is given for any purpose other than those listed in the Technical Data Sheet, or for purposes not handled in accordance with Reflomap's processing and handling instructions. The durability of the product may depend on a variety of factors including recommended application guidelines, geographical areas, exposure conditions, and product maintenance and completion indicators. Reflomap is not responsible for product failure due to improper surface treatment. Please refer to the full warranty document available at [www.reflomap.com](http://www.reflomap.com) for detailed information.

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