

REFLOMAX GLODIAN™ VC-E4 & VC-I9

Conspicuity Tape Rigid Grade

Technical Datasheet &
Application Instruction

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Technical Datasheet

Description

REFLOMAX GLODIAN™ VC-E4(ECE-104) & VC-I9(AIS-090) is intended for safety marking tape for trucks and trailers with rigid surfaces. It provides excellent reflectivity which enhances night time safety and it is designed for easy application and durability. Glodian™ VC-E4 & VC-I9 is perfect solution for various type of trucks and trailers with both metalized and sealed(air-backed).

Product Construction

REFLOMAX GLODIAN™ VC-E4(ECE-104) & VC-I9(AIS-090) rigid grade is composed of cube corner(retroreflective microprism) and are formed by hard polymer on flexible, UV-stabilized polymeric film which applied edge sealed technology.

-ECE-104(Europe) certified

-AIS-090 certified by ARAI

Color

REFLOMAX GLODIAN™ VC-E4(ECE-104) & VC-I9(AIS-090) rigid grade is available in white, yellow and red. The color complies with the requirements of regulation ECE-104 / AIS-090 standard.

Adhesive

Clear, solvent-based, permanent adhesive

Retroreflectivity(Table1)

Color	Observation Angles	Entrance Angle2(β_2)	R _A
White	0.2°	5°	450
		30°	200
		40°	95
		60°	16
Yellow	0.2°	5°	300
		30°	130
		40°	75
		60°	10
Red	0.2°	5°	120
		20°	60
		30°	30
		40°	10

Daytime Color Specification Limits (Table2)

Color	Chromaticity Coordinates*								
	1		2		3		4		Y
	x	y	x	y	x	y	x	y	
White	0.300	0.270	0.385	0.355	0.345	0.395	0.260	0.310	>0.25
Yellow	0.545	0.454	0.487	0.423	0.427	0.483	0.465	0.534	>0.16
Red	0.690	0.310	0.595	0.315	0.569	0.350	0.655	0.350	>0.03

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Nighttime Color Specification Limits (Table3)

Color	Chromaticity Coordinates*							
	1		2		3		4	
	x	y	x	y	x	y	x	y
White	0.373	0.402	0.417	0.359	0.450	0.513	0.548	0.414
Yellow	0.585	0.385	0.610	0.390	0.520	0.480	0.505	0.465
Red	0.720	0.258	0.735	0.265	0.665	0.335	0.643	0.335

Application Instructions

REFLOMAX GLODIAN™ VC-E4(ECE-104) & VC-I9(AIS-090) can be applied to trucks 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.

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°

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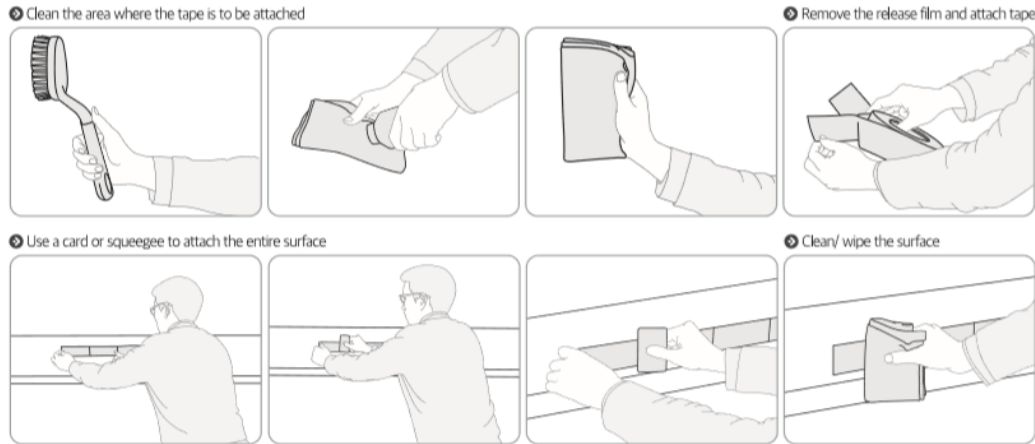
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How to install



Size & Packing

Product size : 50mm(2") x 50M(54.7YD) per 1roll as standard.
Packing : 430mm x 410mm x 260mm per 1carton(contains 16rolls)
Gross weight : About 24kgs(54LBs) per 1carton.

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.

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, busienss or revenue in any way), regardless of the legal theory asserted including warranty, contract, negligence or strcit liability.

Warranty

REFLOMAX GLODIAN™ VC-E4(ECE-104) & VC-I9(AIS-090) series("Product") are warrrnted to be free of defects in materials and manufacture at the time of shipment and to meet the specifications stated in this porduct 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 bligation, 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 for detailed information.

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