

Glodian™ VC

Glodian™ Conspicuity tape VC series
High performance prismatic reflective tapes
for marking

Glodian™ VC series are prismatic reflective conspicuity tape with high level of retro reflectivity to improve the visibility of vehicles. This complies with the specification of FMVSS 108 with DOT-C2 certification mark on the surface and provides safety against vehicles.

Main application

Vehicle Conspicuity tapes for HD truck and trailer etc.

Feature

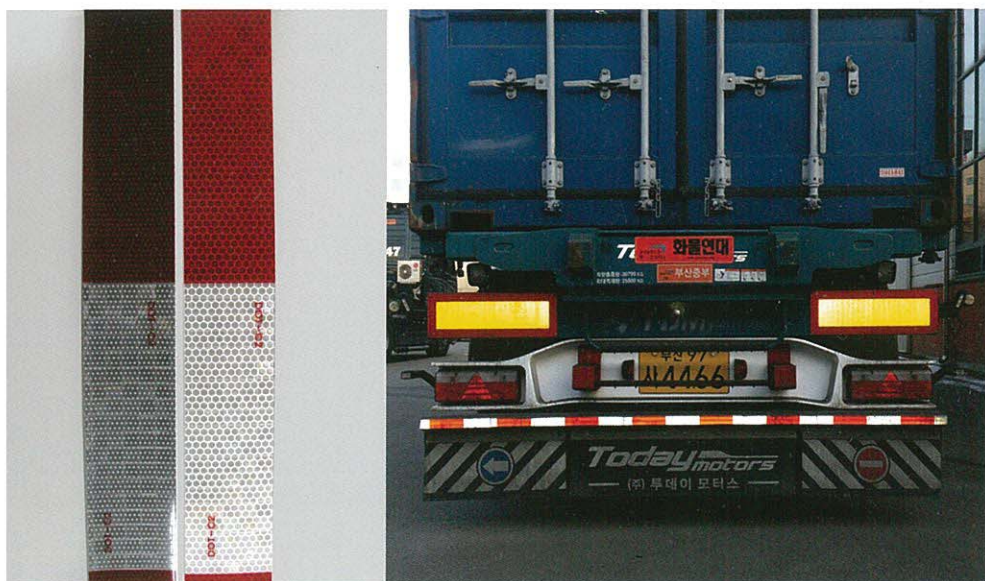
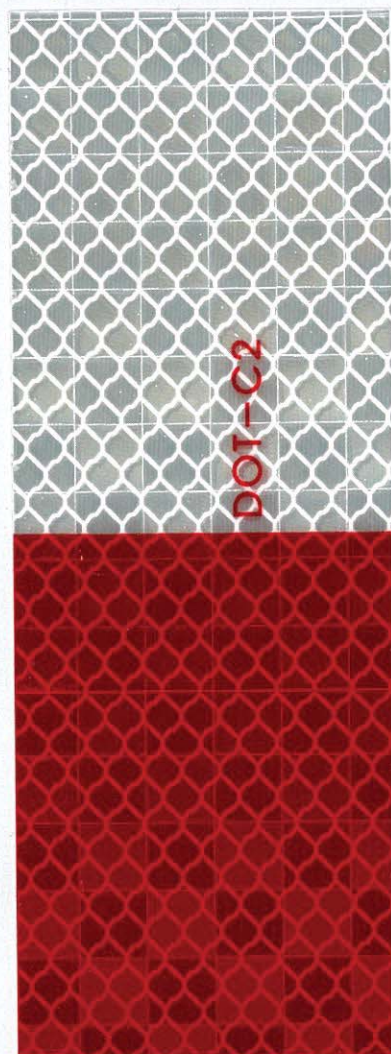
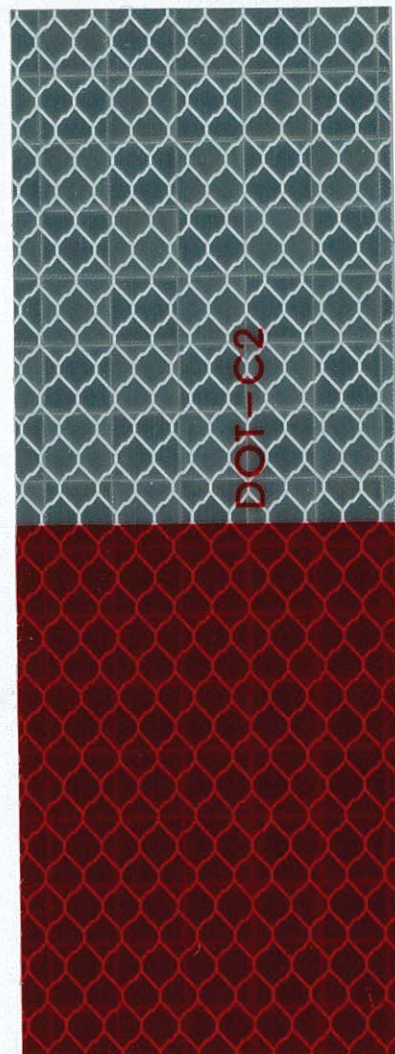
- Easy to handle and apply, thin and flexible
- Providing 10years of field performance
- Metalized and sealing types are available
- 6inch white-red and 11inch red-6inch white shapes are available
- Providing Edge sealed technology for sealing type
- Custom logo printing is available at customer's request

Size : 2inch x 50yd per 1roll as standard

Packing : 335mm x 335mm x 325mm per 1box(6rolls)

G.weight : 18kgs per 1box

For further information, visit www.reflomax.com or send an email.



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Product Guidance

REFLOMAX GLODIAN™ Conspicuity Tape Series are a retroreflective micro-prismatic markings designed to mark the sides and rear of vehicles for enhanced visibility and detection.

REFLOMAX GLODIAN™ Conspicuity Tape Series are two types of metalizing and sealing. The metallized conspicuity tape consists of vacuum deposition of aluminum coated micro-prisms with a pressure sensitive adhesive and clear poly liner.

The sealed conspicuity tape consists of micro-prisms, sealed and backed with a pressure sensitive adhesive and clear poly liner.

Applied to properly prepared surfaces, REFLOMAX GLODIAN™ Conspicuity Tape Series provide ten years of field performance.

REFLOMAX GLODIAN™ Conspicuity Tape Series meets the all of the requirements of FMVSS 108 requirements, including DOT-C2 Certification Mark.

1. Color

REFLOMAX GLODIAN™ Conspicuity Tape Series is available in an alternating red and white striped pattern with the DOT-C2 Certification mark.

Color	Type	Item code
Red 6 inch / White 6 inch (Alternating Pattern)	Sealing	VC66H
Red 11 inch / White 7 inch (Alternating Pattern)	Sealing	VC117H
Red 6 inch / White 6 inch (Alternating Pattern)	Metallizing	VC66M
Red 11 inch / White 7 inch (Alternating Pattern)	Metallizing	VC117M

2. Photometrics

Daytime Color(x,y,Y)

REFLOMAX GLODIAN™ Conspicuity Tape Series meets the applicable daytime color requirements for FMVSS 108, DOT-C2, and ASTM D4956:2013(Table A).

The four pairs of chromaticity coordinates determine the acceptable color in terms of the CIE 1931 Standard Colorimetric System measured with CIE Standard illuminant D65.

3. Retroreflective Performance

The coefficients of retroreflection(R_A) shall be determined in accordance with ASTM E810, and per ASTM E810 the values of all rotation are determined the R_A .

The values in Table B are minimum coefficients of retroreflection expressed in candelas per lux per squaremeter ($cd/lux/m^2$).

TABLE B. The minimum Coefficient of Retroreflection R_A

Item	Observation Angles	Entrance Angles	R_A
White	0.2°	-4°	250
		30°	250
		40°	60
	0.5°	-4°	65
		30°	65
		40°	15
Red	0.2°	-4°	60
		30°	60
		40°	15
	0.5°	-4°	10
		30°	10
		40°	4

4. 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/car wash or standard high- pressure hand spray:
 - Maximum Pressure – 1200 psi
 - Maximum wash temperature - 140°F(60°C)
 - Water jets must be a minimum of 12" from the Conspicuity Tape
 - Spray water jets at no greater angle than 45° from the surface

TABLE A. Color Specification Limits (Daytime)

COLOR	1		2		3		4		Daytime Luminance Limit(Y)	
	x	y	x	y	x	y	x	y	Min	Max
White	0.303	0.300	0.368	0.366	0.340	0.393	0.274	0.329	27	
Red	0.648	0.351	0.735	0.265	0.629	0.281	0.565	0.346	2.5	15

5. Size and Packing

Roll Size : 2inchX50yd

Packing : 6 roll per one carton box

6. Physical Properties

The following technical information should be considered typical only and should not be used for specification purposes.

Property	FMVSS 108 Requirement	REFLOMAX GLODIAN CONSPICUITY TAPE Typical Value
Thickness	NA	Sealing Type - 405~445µm Metallizing Type - 300~340µm
Gloss ASTM D523 @85°	NA	100
Dimensional Stability ASTM D4956	Less than 1/8" change on 9x9" panel	Pass
Flexibility Wrap around 0.125" mandrel@32°F(0°C)	NO Cracking	Pass
Min. Application Temperature	NA	60°F(15°C)
High Pressure Wash Test 45°angle, 1200psi, 8" distance	NA	Pass
Adhesion 90° Hanging Weight ASTM D4956	Less than 2" movement	Pass
Peel Adhesion 12inch/minute, 180° peel angle	NA	Degreased aluminum : 0.94 kg/cm
Chemical Resistance	NA	Not effected by toluene, #2 diesel fuel, TSP Detergent, xylene
Corrosion Resistance ASTM B-117 5% Salt spray for 1000hours	NA	No effect
Impact Resistance Room Temperature 100in-lb, 5/8 inch tip	No damage outside impact	Pass
Impact Resistance Cold Temperature 60in-lb, 5/8 inch tip at - 20°C	No damage outside impact	Pass

7. Substrates

The application of REFLOMAX GLODIAN™ Conspicuity Tape Series is limited to properly prepared metal and painted metal substrates. Uses 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

8. Storage

Store in a cool dry area, preferably at 18°C~25°C and 30%~50% relative humidity and use within 1 year after date of receipt.

Store rolls in their original shipping cartons. Partially used rolls should be returned to their shipping carton.

9. General Performance Considerations

REFLOMAX GLODIAN™ Conspicuity Tape Series will provide maximum durability as following.

- REFLOMAX recommended procedures are followed.
- Conspicuity tape is applied to vertical surfaces.

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.