



Specifications

Introduction

REFLOMAX GLODIAN™ reflective tape is a soft, flexible sewn-on glass beaded microsphere reflective apparel tape, which is designed to use for all types of high visibility safety garment. REFLOMAX complies with the requirements for retroreflective tape in accordance with ANSI/ISEA 107:2010 & EN ISO 20471 photometric performance.

Certificates

EN ISO 20471:2013 / ANSI/ISEA 107:2010
Test certificates for reflective tape are available upon request.

Composition

GLODIAN™ reflective tape is composed of wide-angle, exposed retroreflective lenses bonded to a sewable fabric backing.

Reflectivity

GLODIAN™ KR-500 series fully meet the minimum reflectivity requirements of EN ISO 20471:2013 separate performance, when having a test at rotation angle = 0° or 90° in accordance with the procedures in EN ISO 20471:2013. Typical coefficients of retroreflection are as shown in Table 1.

Table 1 Tape Specifications

Product Code	Service Colors ⁵	Minimum R _A ²	ANSI 107	EN ISO 20471	Wash Cycles at 60°C (140°F)	Industrial Laundry
KR-500	Silver	330	Yes	Yes	50	
KR-500S	Silver	330		Yes	50	
KR-500IW	Silver	330	Yes	Yes	100	50
KR-500FR	F.O-Silver-F.O ³	330		Yes	15	
Triple trim	F.Y-Silver-F.Y ³					
KR-500FR IW	Silver	330		Yes	30 (75°C, 167°F)	30
KR-500F	Silver	330		Yes	50	
KR-500FD	Silver	330				
KR-500D	Silver	330	Yes	Yes	25	50
MR-511B	White	Commercial Practices				

1. R_A measured by REFLOMAX on the new product at +5.0° entrance, 0.2° observation angle.

2. EN ISO20471 minimum coefficient of retroreflection. R_A measured by REFLOMAX on the new product at +5.0° entrance, 0.2° observation angle.

3. F.O : Fluorescent Orange, F.Y : Fluorescent Yellow

Table 2 Ordering References

Product Code	Service Colors	Roll Width	Standard Roll Length	Rolls per Box	Weight per Carton Kgs / Lbs
KR-500	Silver	2" (50.8 mm)	100m / 109.4yds	16	29Kgs / 63.93Lbs
KR-500S	Silver	2" (50.8 mm)	100m / 109.4yds	8	13Kgs / 28.66Lbs
KR-500IW	Silver	2" (50.8 mm)	100m / 109.4yds	12	25Kgs / 55.11Lbs
KR-500FR	F.O-Silver-F.O ³	2" (50.8 mm)	100m / 109.4yds	16	22Kgs / 48.50Lbs
Triple trim	F.Y-Silver-F.Y ³				
KR-500FR IW	Silver	2" (50.8 mm)	100m / 109.4yds	16	22Kgs / 48.50Lbs
KR-500F	Silver	42" (1,070 mm)	50m / 54.7yds	1	28Kgs / 61.73Lbs
KR-500FD	Silver	2" (50.8 mm)	100m / 109.4yds	8	25Kgs / 28.66Lbs
KR-500D	Silver	2" (50.8 mm)	50m / 54.68yds	16	21Kgs / 46.30Lbs
MR-511B	White	23.62" (600mm)	100m / 109.4yds	1	21Kgs / 46.30Lbs

3. F.O : Fluorescent Orange, F.Y : Fluorescent Yellow



Application Instruction

Shelf life

The product should be used within one (1) year from the factory date. All rolls including those partially used should be stored in original packaging and tightly wound. Store in a clean and dry place, away from the direct sunlight.

Instructions for Use

Whenever two or more pieces of GLODIAN™ reflective materials are used in combination on a single surface or as a set, they should be matched to ensure uniform color and reflectivity. All safety garments should be made in accordance with EN ISO20471, or other prevailing standards.

Performance

The specifications are subject to change for the product upgrade. The above data are the average of test results at the normal test condition. The use of reflective material greatly enhances visibility; however, no reflective material can assure absolute visibility, especially under foul weather conditions. The product performance will be subject to its actual use, exposure conditions and user's maintenance. Users need to test reflective materials so that they can satisfy the conformance to their own requirement.

All GLODIAN™ products require the meticulous quality control throughout the manufacturing process. REFLOMAX warrants the products have merchantable quality and are free from workmanship. The published data in respect of GLODIAN™ products are based upon research which the Company believes to be reliable even if such data don't constitute a warranty. Owing to the variety of uses of GLODIAN™ lineup and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and shall undertake all risks in respect of its use. All specifications are subject to change without prior notice.



Cautions

When washed in accordance with ANSI/ISEA 107:2010 & EN ISO 20471:2013, GLODIAN™ reflective tape shall endure minimum 25 to 100 washings at 60°C (140°F) in attaching the tape to various background materials.

 Machine Wash, 60°C (140°F), Use neutral detergent or non-phosphate detergent

 Do not Bleach

 Do not Iron



Important

The specifications are subject to change for upgrading the product. The above data are the average of test results at the normal test condition. The use of reflective material greatly enhances visibility; however, no reflective material can assure absolute visibility, especially under foul weather conditions. Product performance may vary from its actual use, exposure conditions and maintenance. User should test reflective materials to meet the conformance to their own requirements.

All GLODIAN™ products are subject to exhaustive quality control during all manufacturing processes. And they are warranted to be of merchantable quality and free from workmanship defects. Published data concerning GLODIAN™ products are based upon research which the Company believes to be reliable even if such data don't constitute a warranty. Owing to the various uses of GLODIAN™ products and REFLOMAX' continuing development of new applications, the purchaser should carefully take the suitability and performance of the product into account for each intended use. The purchaser shall undertake all risks regarding his/her use. All specifications are subject to change without prior notice.

Warranty

No warranty is given for the purposes other than those listed in the Specifications or which are not worked according to REFLOMAX's processing and handling instructions. Please see the full warranty instrument available at www.reflomax.com for further information.

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