

Product

Reflexite Brilliance Series GP340 Garment Trim is designed for use on light duty and consumable high visibility safety apparel such as vests, T-shirts, light jackets, etc. Reflexite Brilliance Series GP340 Garment Trim exceeds the minimum reflectivity requirements of both ANSI/ISEA 107-2010 and CSA Z96-09 for Level 2 performance. The retroreflective garment trim has a smooth-sealed outer surface as described in Part 6 of the MUTCD for traffic control devices.

Construction

Reflexite Brilliance Series GP340 Garment Trim is composed of cube corner (microprism) reflective elements integrally bonded to a flexible, smooth-surfaced, weather resistant UV-stabilized polymeric film. The microprismatic film is welded to a UV-stabilized polymeric film to protect the prisms from dirt and moisture. The soft and flexible backing material is sewable and/or high frequency weldable.

Reflectivity/Brightness

Reflexite Brilliance Series GP340 Garment Trim exceeds the minimum reflectivity requirements of ANSI/ISEA 107-2010 for Level 2 when tested at $e = 0^\circ$ or $e = 90^\circ$ in accordance with the procedures in section 8.1. Typical coefficients of retroreflection are shown in Table 1.

TABLE I
 COEFFICIENT OF RETROREFLECTION

White & Fluorescent Yellow-Green				
Observation Angle	Entrance Angle			
	5°	20°	30°	40°
0.20°	580	450	300	200
0.33°	370	300	200	150
1.00°	100	90	50	40
1.50°	25	20	18	14

(CANDELAS/LUX/SQUARE METER)

Blaze Orange (Fluorescent Orange-Red)				
Observation Angle	Entrance Angle			
	5°	20°	30°	40°
0.20°	400	315	210	140
0.33°	280	240	180	100
1.00°	70	60	35	25
1.50°	16	14	12	8

Color

Reflexite Brilliance Series GP340 Garment Trim is available in white, fluorescent yellow-green and Blaze Orange (fluorescent orange-red) colors. The fluorescent yellow-green color meets the requirements of both ANSI/ISEA 107-2010 and CSA Z96-09 Combined-Performance Materials. The fluorescent yellow-green color offers superior daytime visibility through 100% fluorescence, as well as outstanding nighttime visibility through reflected color similar to that of its daytime appearance.

Enhanced Surface Preparation (ESP)

Reflexite Brilliance Series GP340 Garment Trim is manufactured with a unique Enhanced Surface Preparation (ESP), which minimizes staining of the garment trim from fluorescent dyes as a result of bleeding from background fabrics during laundering and intimate contact. Also, Enhanced Surface Preparation provides a glossy top surface, which is inherently resistant to soiling and allows for easy cleaning.

Wet Performance

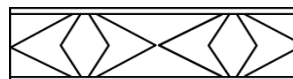
When tested according to the ANSI/ISEA 107-2010, Retroreflective Performance in Rainfall test, Reflexite Brilliance Series GP340 Garment Trim will typically retain 70% of its photometric performance when dry.

Machine Washing

Reflexite Brilliance Series GP340 Garment Trim has been certified to withstand a minimum of 75 washings when washed in accordance with ANSI/ISEA 107-2010 section 9.4.5 "Washing According to Care Label" when attached to a variety of background materials. DO NOT DRY CLEAN.

Application Instructions

Reflexite Brilliance Series GP340 Garment Trim is manufactured with an outer sew border area. The sew borders provide an area for sewing and/or high frequency welding the trim to garments without damaging the reflective properties of the material.



IMPORTANT NOTICE

All Reflexite® and Oralite® products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning Reflexite® and Oralite® products is based upon research which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of Reflexite and Oralite® products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. All specifications are subject to change without prior notice.

